

DOCUMENT RESUME

ED 129 166

HE 008 254

AUTHOR Prather, James E.; Smith, Glynton
TITLE An Analysis of Undergraduate Grades by Course in Relation to Student Ability Levels, Programs of Study and Longitudinal Trends. Report No. 76-15.
INSTITUTION Georgia State Univ., Atlanta.
PUB DATE May 76
NOTE 192p.; Best available copy
AVAILABLE FROM Office of Institutional Planning, Georgia State University, Atlanta, Georgia.
EDRS PRICE MF-\$0.83 Plus Postage. HC Not Available from EDRS.
DESCRIPTORS *Academic Ability; *College Majors; *Grades (Scholastic); *Grading; *Higher Education; Intellectual Disciplines; State Universities; Trend Analysis; Undergraduate Students
IDENTIFIERS *Grade Inflation

ABSTRACT

Investigated are final letter grades in undergraduate courses at Georgia State University from fall 1970 to fall 1975. Grades were examined course-by-course in relation to ability levels, programs of study and longitudinal trends. An analysis was undertaken to determine if "grade inflation" had taken place. The sample was based on records of 9,338 undergraduates who had attempted 40 or more credit hours as of Fall Quarter 1975. Findings were that different courses have differing final grade indicators. Student grades were strongly related to the major field. Grade inflation was found to be present only in a minority of the courses studied. To a great extent, there was a tendency for grades to regress toward the mean; either the "hardest" courses became slightly "easier" in grading or the "easier" courses became marginally "tougher" in grading. It is suggested that the redistribution of grades that had occurred resulted from the diversification of the curricula. (Author/KE)

* Documents acquired by ERIC include many informal unpublished *
* materials not available from other sources. ERIC makes every effort *
* to obtain the best copy available. Nevertheless, items of marginal *
* reproducibility are often encountered and this affects the quality *
* of the microfiche and hardcopy reproductions ERIC makes available *
* via the ERIC Document Reproduction Service (EDRS). EDRS is not *
* responsible for the quality of the original document. Reproductions *
* supplied by EDRS are the best that can be made from the original. *

FD129166

An Analysis Of Undergraduate Grades By Course In Relation To Student Ability Levels, Programs Of Study And Longitudinal Trends

Report No. 76-15

BEST COPY AVAILABLE

U.S. DEPARTMENT OF HEALTH
EDUCATION & WELFARE
NATIONAL INSTITUTE OF
EDUCATION

THIS DOCUMENT HAS BEEN REPRODUCED EXACTLY AS RECEIVED FROM THE PERSON OR ORGANIZATION ORIGINATING IT. POINTS OF VIEW OR OPINIONS STATED DO NOT NECESSARILY REPRESENT OFFICIAL NATIONAL INSTITUTE OF EDUCATION POSITION OR POLICY.



**Office of Institutional Planning
Georgia State University, Atlanta**

May, 1976

HE008 254

AN ANALYSIS OF
UNDERGRADUATE GRADES BY COURSE IN RELATION TO
STUDENT ABILITY LEVELS, PROGRAMS OF
STUDY AND LONGITUDINAL TRENDS

Report No. 76-15

by

James E. Prather and Glynton Smith

Technical and Computer Support

by

John E. Williams

Programming Support

by

William O. Johnson
Susan Friddell

Office of Institutional Planning
May, 1976

Abstract

This study investigated final letter grades in undergraduate courses at Georgia State University for the time period Fall, 1970, to Fall, 1975. Student grades were examined course-by-course in relation to student ability levels, programs of study and longitudinal trends. A systematic analysis was undertaken to determine if "grade inflation" was taking place.

The sample was based upon the records of 9,338 current undergraduates who had attempted 40 or more credit hours as of Fall Quarter, 1975. Multiple regression was employed to take into account the academic and personal variables investigated. The analysis was performed on a course-by-course basis comprised of over 125,000 grades.

Grade inflation is an often used and abused cliché to refer to the recent substantial increase in students' cumulative grade point averages (GPA). Numerous pundits have interpreted this phenomenon as being indicative of a marked decline in academic standards with such consequences as graduation honors being handed out en masse. Those concerned with increases in GPA have usually not realized that GPA is a conglomeration of several dozen courses taken in eclectic fields. Few persons would seriously maintain that a course in organic chemistry and one in the principles of selling would call upon the same set of student skills and aptitudes.

In this study, there was no need to assume that all courses required the same student characteristics, rather a group of 144 courses was analyzed on a course-by-course basis. This effort was concerned with describing trends in grades for individual courses. Thus, it was possible to allow the heterogeneous nature of the course offerings to be reflected. Grade inflation was defined as an increase in grades for the same course in the time period of 1971 to 1975, while statistically controlling for the student's major field and academic background.

The primary findings were that different courses do indeed have differing final grade indicators. Student grades were strongly related to the major field the student was pursuing. Thus, it was not surprising that grade inflation was only found to be present in a minority of the courses studied. Those courses exhibiting the greatest degree of grade inflation were also generally the courses with the lowest grade, and even after accounting for grade inflation, they remained conservative in grades. The infrequently mentioned phenomenon of grade deflation was shown to be present in those courses with the highest grade distributions. The majority of courses--those in the middle range of grading--showed no systematic change in grade distribution over time. To a great extent, there was shown to be a tendency of grades to regress toward the mean, with the "hardest" courses becoming slightly "easier" in grading and the "easier" courses becoming marginally "tougher" with grades.

It is unlikely that the increasing GPA's were caused by more lenient course-by-course grading. Rather, this analysis tends to indicate that curricular changes have allowed more options that permit students to avoid high risk courses, while providing more courses in the curriculum that have traditionally had higher grading patterns. When faced with courses regarded as "too tough," students are now able to exercise these options: withdraw, change their major field, transfer to an "easier" institution, or take a substitute course in their curricula.

This study, therefore, suggests that the redistribution of grades that has occurred has resulted from the diversification of the curricula. A broader curriculum and an increased variety of disciplines have taken place contiguously with an increase in the proportion of A letter grades being assigned. These new course offerings tend to have lenient grading distributions.

The study was undertaken at the request of several of the chairmen of the university-wide Self-Study Committees to provide insight into undergraduate grades and supply additional information concerning grading standards.

ACKNOWLEDGMENTS

Few institutional research offices in the country would have accepted an assignment of this magnitude with the time constraints imposed by the Self Study. The fact that it was completed within the span of a few months is attributable to a team effort. The following served as an ad hoc committee and gave input and advice along the way:

Mr. John P. Bigger, Chairman
Dean of Admissions and Registrar

Mr. William T. McMullan
Data Base Manager, Computer Center

Miss Billie B. Mitzner
Student Representative

Dr. Jerry Perkins
Assistant Professor of Political Science

Mrs. Pickett Riggs
Assistant Professor of Quantitative Methods

Dr. George W. Stansbury
Associate Professor of Curriculum and Instruction

Dr. Gerald Tate
Counselor, Counseling Center

Dr. Eli A. Zubay
Vice President for Academic Affairs

The Statistical Section of the Registrar's Office supplied the massive data for the study. The cooperation and assistance of Mr. Lester A. Single-
tary and Mr. Louis E. Patterson are sincerely appreciated.

Special acknowledgments are due to the Computer Center. Mr. William O. Johnson and Ms. Susan Friddell did the intricate programming. Their enthusiasm and expertise aided the project immeasurably. Mr. Monroe Jones and Mr. William T. McMullan also provided assistance.

Finally, the esprit de corps of the research support group in the Office of Institutional Planning is worthy of praise. John Williams handled the mammoth technical details, Patricia Evans and Bob Cannon transcribed all the tables, and Mrs. Teresa Beardsley provided the typing services.

TABLE OF CONTENTS

Introduction	1
Review of the Literature	4
Purpose	6
Limitations	8
Plan of the Study	9
Research Design	11
Results	12
Summary	33
Discussion.	34
References.	37
Appendix	39

Introduction

A change in cumulative grade-point-averages was noted with the rapid student growth of higher education in the 1960's. The assumption that students were better prepared was offered as the reason for the increased proportion of A grades. The recent decline in average Scholastic Aptitude scores is viewed by some with skepticism that the students of the 1970's are indeed better prepared. Davidson (1975) reported that the "grades of A and B are so common that the best students are no longer easily distinguishable from the mediocre" (p. 122). Approximately two-thirds of the marks given in U.S. Colleges and Universities are A's and B's. The Chronicle of Higher Education carried a provocative article (White, 1975) reporting that "Sometimes an A is really an F."

The conspicuous change in grading patterns has been widely labeled as grade inflation. The most frequent information at this time is based upon conjectures and impressionistic data rather than indepth study. The paucity of student data at many institutions precludes the type of course-by-course grade analysis needed to resolve the unanswered questions. A more precise definition of grade inflation has been applied in this report and is set forth in the plan of the study.

A study of college grading is a complex investigation. A companion study (Prather and Smith, 1976) focused on the faculty assigning grades. The assertions concerning grade inflation have most often been based upon comparisons between grade distributions, heedless of the fact that these comparisons contain a diverse collection of courses. Little evidence has been offered to determine whether grading standards have changed over time in comparable courses. This report will do so and will focus on undergraduate

students' course grades, controlling for the ability levels background of the student population. Thus an investigation to answer the question of what are the factors associated with longitudinal grading patterns needs to consider student ability and programs of study.

A body of existing data is available which controls for scholastic aptitudes and achievement of entering freshmen at Georgia State University. Since the mid-1950's SAT scores and high school GPA's have been used in the University System of Georgia to compute regression equations to predict freshmen GPA's based upon these indicators. In light of the fact that these students are entering their college programs, it seems reasonable to assume that they are most likely taking core curriculum courses and thus are having comparable academic experience in their first three quarters.

Based upon normative data of the University System of Georgia for this institution, equations are presented in Table 1 by male and female categories. Because of comparability problems some years do not have equations available, but the general trend can be ascertained based upon these equations. The regression estimators for SAT scores and high school GPA's are basically constant in their influence over the time period and when they do vary from year to year there is no apparent trend. The estimator for SAT verbal scores is more stable for both males and females.

The use of this data to investigate the stringency of grading practices over a period of years is through reference to the estimator of the constant term. When the additive constant changes but the regression plane (slopes) remains parallel, there will be a change in the expected GPA, relative to the student ability profile. If the value of the additive constant increases, the expected freshman GPA for a certain ability profile correspondingly increases--i.e., grade inflation would be said to be present. Several

TABLE 1
 FORMULAS FOR THE PREDICTION OF GRADES AT
 GEORGIA STATE UNIVERSITY FOR ENTERING FRESHMEN
 ATTEMPTING 25* HOURS CREDIT

<u>Males</u>	<u>SAT</u> <u>Verbal</u>	<u>SAT</u> <u>Math</u>	<u>High</u> <u>School</u> <u>GPA</u>	<u>Constant</u>	<u>SEE</u>	<u>Multiple</u> <u>R</u>	<u>N</u>
1974-75	.0018	.0010	.3856	-.0076	.59	.51	282
1973-74	.0020	.0020	.3081	-.3690	.55	.61	286
1972-73	.0020	.0014	.4847	-.6403	.56	.61	319
1971-72	.0022	.0008	.4532	-.4514	.55	.58	407
1970-71	.0019	.0011	.3687	-.2040	.53	.56	478
1969-70**							
1968-69**							
1967-68**							
1966-67	.0015	.0018	.4825	-.7660	.60	.53	329
1965-66	.0021	.0005	.3707	-.1090	.50	.56	228
1964-65	.0011	.0012	.5040	-.2442	.49	.60	130
1963-64							
1962-63	.0024	.0005	.4430	-.3875	.56	.52	78
1961-62	.0016	-.0009	.5920	+.3700	.46	.59	60
<u>Females</u>							
1974-75	.0025	.0009	.1769	+.4011	.58	.50	377
1973-74	.0029	.0013	.3440	-.5727	.57	.61	353
1972-73	.0024	.0015	.4202	-.6476	.56	.63	447
1971-72	.0025	.0014	.4364	-.6840	.53	.66	458
1970-71	.0025	.0020	.2855	-.6081	.52	.66	574
1969-70**							
1968-69**							
1967-68**							
1966-67	.0031	.0010	.5965	-1.3283	.46	.72	180
1965-66	.0019	.0019	.3826	-.5728	.50	.62	216
1964-65	.0014	.0016	.5930	-.8640	.50	.66	168
1963-64							
1962-63	.0017	.0010	.7310	-1.0937	.46	.66	88
1961-62	.0029	-.0009	.6860	-.6132	.48	.69	66

* The minimum was 40 hours prior to 1970-71

** Not available for the year.

NOTE: Based upon the Normative Data books published by the Regents of the University System of Georgia, Atlanta.

investigators (Aiken, 1963; Hills, 1964; Hills & Gladney, 1968) used this procedure and found that GPA's remained stable even during years of rising SAT scores, with the constant-term estimator decreasing.

A review of the constant terms in Table 1 shows that in the equations for females the constant term has been decreasing since the class entering 1971-72 and the change has been equivalent to almost a full letter grade. The equations for the male group show that the constant term has been dropping since the 1972-73 entering freshman class with the resulting change approaching two-thirds of a letter grade. These trends should be interpreted with caution due to the limited nature of this data because these students account for only a small portion of Georgia State University's undergraduate student body. Also, the question remains as to whether or not a change in standards can be inferred from the circumstantial evidence of viewing equations over time.

Review of Related Literature

In recent years there have been a number of studies concerned with college grading practices (Aiken, 1963; Hills, 1964; McDonald, 1966; Hills & Gladney, 1968; Goldman, 1974; Schoenfeldt & Bush, 1975). Most of these investigations have followed grading at the same institutions over a period of years.

The studies by Hills have drawn upon the theory of adaptation-level by Helson (1947, 1948), which references the influence of background attributes and stimuli when judgments are made. This is applied to grading when an individual student's performance is judged against performance level of the other class members--i.e., grading on the "curve." Goldman

and Hewitt (1975) summarized the phenomenon:

Thus, grading standards would be partly determined by the ability level of the student population. If, for example, the ability level declines without an accompanying decline in average grades, then grading standards have "fallen" (or become less "stringent"). (p. 149)

It has been suggested by McKenzie (1975) that the assignment of letter grades can be viewed in terms of the economic--i.e., choice--model of human behavior. This conceptualization involves grades as "goods," with higher grades being preferred over lower ones by the students. A brief summary of this train of thought was given by McKenzie:

Two forces are at work: the positive income effect which should have a positive effect on the consumption of leisure and grades if both are normal goods, and the substitution effect which should have a negative effect on the consumption of leisure. In other words, the price effect should be a force leading to more work on the part of students. More leisure will be associated with the inflated grading structure so long as the substitution effect does not outweigh the income effect... If the student does work harder, it is by choice and we must assume that he is better off (in terms of his immediate situation) with the higher grading structure.

There is no reason to believe that instructors, when or if they change their grading structure, will actually increase the price of leisure. In fact, in order to keep the weaker students in school thereby, enable the school to collect the student's tuition payments, the instructor may loosen up more at the lower grade levels... The result is that both the income and substitution effects will operate to increase the amount of leisure consumed by the students and to decrease the achievement of the students. (p. 102)

The longitudinal pattern of grades by department, school and level for the last decade was provided by Engstrand (1975). He reported that grade inflation had occurred at the University of Minnesota and while inflation varied widely among colleges and departments, "virtually every unit manifested the phenomenon to some degree" (p. 2). He noted that in the last two years a process of deflation was occurring in some departments but that the trend was not clear. Engstrand found the rank order of colleges had not changed significantly in the last twenty years.

The General College remained the most difficult in which to get a high grade; Education had remained the easiest. He observed:

The rate of incomplection has gone steadily up. Coupled with the drop in the percent of C's and D's being awarded, it almost seems as though students have decided that they will get a good grade or get no grade at all. (p. 8)

Schoenfeldt and Bush (1975) studied the pattern of relations of grades achieved across twelve curricular areas and their relationship to high school GPA and SAT scores. Despite differential rank ordering across the curricular areas, a large general achievement factor emerged. "The aptitude variables defined their own factor, with the remaining three GPA scores, headed by agriculture and education, becoming a factor of Grades Independent of Achievement" (p. 320). They reported that at the University of Georgia the highest average grades were found in education and the lowest in the physical and biological sciences. Goldman et al. (1974) investigated grading practices in different major fields. "The results indicated that for middle and low ability students those fields with lowest ability students adopt the lowest grading standards. Similarly, high grading standards are adopted by fields with high ability students" (p. 343). They indicated that because of the stringent grading standards of the natural and physical sciences, low ability students were effectively precluded from these fields and were absorbed by the social sciences and humanities (p. 356).

The work of Goldman and Hewitt (1975, p. 160) addressed differential grading standards and major field enrollments. Faculty hiring practices are to a large extent based upon program enrollments. Since courses which have lenient grading standards are much more likely to attract the low and middle ability students, these courses will enjoy greater growth. Goldman and Hewitt warn that ultimately the shape of a university can be altered when this occurs.

Research conducted by Oh (1976) to ascertain if there existed a relationship between academic discipline and grading criteria was done at Western Michigan University. The faculty were surveyed about their grading standards and the responses were analyzed according to subject field. Oh (1976) concluded that:

In the area of grading practices, the natural scientists seemed to have strong confidence in their grading practices, and the social scientists were on the middle ground. The humanities faculty had moderate confidence in their grading practices. The "low" graders strongly disagreed with the meaning of a "B" grade as an average grade, while the "high" graders simply disagreed with it. The criteria for issuing grades differed among subject fields. The natural scientists set criteria such as mastery of course objectives, quality of work and skill in using knowledge learned. The social scientists used criteria such as mastery of course objectives and quality of work. The faculty members in the humanities used one criterion, quality of work.

Goldman and Slaughter (1976) performed an analysis upon grades for five classes and 254 students correlating the grades with high school GPA's and SAT's. Their analysis revealed that the R^2 's (multiple correlation squared) were higher on a course-by-course level compared with R^2 's based upon cumulative GPA's with high school GPA's and SAT's. They concluded that cumulative GPA's would have been hypothesized to have a more reliable (higher R^2) relationship with student ability indicators than would individual course grades. The rationale they presented for this finding is that the GPA is not composed of homogeneous components, but rather that grades are heterogeneous non-equivalent items--thus the large unreliability element in trying to predict GPA's. This is to be contrasted with the higher R^2 's for individual course grades.

The review of the literature gives an indication of the complexity of grades and of factors to be taken into account when a study is made.

Purpose

The aim of this research effort is to provide insight into grading at Georgia State University and present additional information and data that will aid decision-making concerning the question of grading standards. It was undertaken at the request of several of the university-wide self-study committees.

The purpose of the investigation is to examine the relationships between grades received by undergraduate students at Georgia State University and selected student antecedent variables.

This research will seek to address the following questions:

1. Do grades have different values in different courses?
2. Do differential grading standards exist; if so, are these standards related to different types of students?
3. Are grades affected by a student's major field?
4. What is the relationship between student ability levels and grades?
5. What is the longitudinal pattern of grades?

In addition, the following hypothesis will be considered:

Students have many more options to avoid high risk courses than was the case ten years ago and this is one of the principal reasons for the redistribution of grades.

Limitations

1. No attempt will be made to provide information on what grading standards ought to be. Rather, the study will investigate and describe what is happening in undergraduate grading at Georgia State University.
2. This study will take into account some of the factors hypothesized to influence grades, but it cannot possibly account for all factors which may have influence (e.g., artistic ability, personality characteristics of students, and other unmeasured or unmeasurable factors).

3. Only variables available in machine readable form could be considered due to the vast student population of the study.
4. The degree to which grade inflation is present in variables such as high school GPA's, transfer GPA's is not known and its effects must be assumed to be random.
5. Ability levels of students are systematically controlled for on a course-by-course basis; however, the data base sample does not permit comparisons of student abilities in one course with student ability levels in another course.

Plan of the Study

This study will test in a systematic fashion to determine if "grade inflation" has been taking place at Georgia State University and if grades have been increasing or decreasing over time. The following operational definition is used: grade inflation is present when the average grades in a specified course increase over time after taking into account the ability level of the students.

The study population is based upon the records of 9,338 current* undergraduate students who had attempted 40 or more credit hours as of Fall Quarter, 1975. The data consisted of the courses attempted, the grade received, and the quarter and year for a maximum of 40 courses. Also, various background characteristics were obtained for these students. The background characteristics included the following personal variables: sex, minority status, age. The academic variables included: overall student's GPA at Georgia State University, major course of study, Scholastic Aptitude Test (SAT) scores, high school GPA average, hours taken, hours earned, hours transferred, transfer average. The data

*Current students include those in attendance for one to five quarters of the last five quarters.

components allow the grades in a particular course to be analyzed over time, controlling for the specified background characteristics of students.

The term ability level is operationally defined as the academic variable. This is not to say that only GPA's and SAT's are the traits that determine a course grade. Of course, some courses may well attract students with such unmeasured or unmeasurable characteristics as motivation, creativity and the like.

The analysis is performed on a course-by-course basis including the dates the courses were taken. The rationale for this approach is that different factors influence performance in different courses (Schoenfeldt and Bush, 1975; Goldman and Slaughter, 1976).

The data base used for the analysis was constructed from the records of 9,338 students by creating a new record for each grade of the student with its corresponding course designation, date taken, and the student's background characteristics. This resulted in almost 200,000 records sorted by course designation.

Research Design

As with the previous grade study (Prather & Smith, 1976), the design of the research is based upon a general linear model of regression analysis. The versatility and sensitivity of this model make it possible to handle the diverse nature of the data involved in this study. The eclectic nature of the courses to be analyzed requires the maximum flexibility and robustness found in ordinary least squares.

The type of analysis employed is admittedly a brute-force form of empiricism. It is hoped that the equations derived using this technique will be informative and valuable. The necessity for utilizing this formulative technique is due to the lack of prior systematic research into grading changes over time.

The model was formed to analyze the factors which indicate individual course grades. The regression equation was specified to include these components:

- * The regressand (dependent variable) was the final letter grade in the respective course expressed in the scale of A as a 4, B = 3, C = 2, D = 1, F or WF = 0. Grades of incompletes (I), withdrawals (W), or audits (AU) were excluded from the analysis.
- * The regressors (independent variables) were the previously mentioned academic, personal and ability variables which were considered as control variables.
- * A major conceptual variable--major field of the student--was included in the form of dummy variables. This enables the reader to ascertain how a particular major field group performed in one of 144 delineated courses.
- * One data problem encountered in this study was the large amounts of missing data for certain key variables such as SAT scores, high school GPA's, and age. To permit inclusion of these variables the mean value was substituted for missing values. Further, a procedure was incorporated which allows for an objective measure of the impact of the missing data (Cohen, 1968). Thus the regressors also include "missing data" dummy variables which measure the degree of association between the missing data of a variable and the regressand.

Results

As has been previously stated, the analysis was performed on a course-by-course basis. Because of the vast course offerings, it was not considered feasible to analyze each and every course. The criteria for course selections included:

1. All courses that enrolled a total of at least 500 students during the period between Fall Quarter, 1970-1975.
2. At least one course from each discipline was selected if the total enrollment was at least 75 during the six-year period. When deciding between two or more courses under this selection criterion, the course was selected with the more even yearly distribution over the period.
3. Generally, for those disciplines with relatively large offerings, an attempt was made to select both an introductory and an upper level course.

The courses analyzed under the selection criteria totaled 144.

Tables 2 - 7 have been included to present a cross-section of individual courses. These courses represented large enrollments in the high, medium and low average grading range. All courses analyzed are in Appendix A. The attempt of the format is to avoid too much data for the general reader.

The presentation of major findings of the tables is meant to be a guide to interpreting them only. The complex relationships reported in the tables cannot be summarized in a few short statements. The table summaries of findings were derived by focusing upon those estimators that were at least twice their standard error of estimator. The order of the variables themselves are based upon the ad hoc results of the stepwise regression algorithm. The regression procedure was defined so that the year-the-course-was-taken dummy variables were forced in first, then all other variables were allowed to be entered based upon their orthogonal contribution to explaining the variance in the course grade.

These are automatic empirical rank orderings of the variables, and are not intended to reflect on the conceptual or academic importance of these variables.

The analysis found in Table 2 is for FED 310, Educational Psychology.

The R^2 was .24. The Table may be summarized as follows:

- * The grading pattern in this course has shown a steady trend of deflation. This can be illustrated by noting how the estimator for courses taken in 1971 is .43, dropping to -.15 for 1975 which is indicative of .58 average decrease in a letter grade controlling for all other factors.
- * Psychology majors received on the average .31 of a letter grade higher. Positive weights for other majors included Political Science (.60); Special Education (.21); and Biology (.52).
- * The impact of cumulative GPA was .60, meaning that one letter grade difference in GPA's would be associated with .6 increase in the course grade.
- * For Summer Quarter, the impact was -.11 and for Spring Quarter the impact was .14. This indicates that students of similar academic ability levels receive grades a fourth of a letter grade higher Spring Quarter compared to those who take it Summer Quarter.

TABLE 2

FEB 310
Mean Grade = 3.37

S.D. = .82

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>R</u>
Year of Course: 75	-.15	.06	-.08
73	.13	.07	.06
72	.01	.09	.004
71	.43	.12	.12
GPA	.60	.05	.42
Transfer GPA	-.02	.02	-.04
Summer Qtr.	-.11	.06	-.06
Psychology	.31	.11	.09
Political Science	.60	.25	.07
Secondary Education	.21	.10	.07
Biology	.52	.25	.06
Missing Data-Age	.27	.14	.07
Hours	.0004	.001	.02
Age	.02	.009	.13
Female	.10	.06	.06
Spring Qtr.	.14	.08	.06
Social Welfare	.37	.24	.04
Anthropology	.37	.29	.04
English	.17	.13	.04
Missing Data-H.S. GPA	-.05	.08	-.02
SAT-Verbal	-.0006	.0004	-.05
Special Education	.07	.09	.03
Yrs. Since H.S.	-.01	.009	-.07
Missing Data-Years H.S.	-.11	.09	-.04
Hours Transferred	-.001	.001	-.05
Management	-.28	.29	-.03
Business Education	.10	.13	.03
Marketing	.30	.37	.02
Sociology	-.12	.17	-.02
SAT-Math	.0004	.0005	.03
Journalism	-.15	.26	-.02
Studio	-.09	.18	-.02
Economics	-.32	.53	-.02
Criminal Justice	.16	.25	.02
Veteran	-.04	.06	-.02
History	.09	.16	.02
H.S. GPA	.03	.05	.02
Nursing	.06	.12	.02
Fall Qtr.	.03	.06	.02
Minority	-.03	.07	-.01
Undeclared	-.04	.15	-.008
Music	-.09	.25	-.01
Missing Data-Verbal	-.02	.06	-.01
Early Childhood Education	.05	.15	.01
Class Standing	.02	.07	.01
Math	.04	.17	.007
General Studies	.08	.43	.005
Elementary Education	.009	.09	
Constant	1.13		
R ²	.24		
Standard Error of Estimate	.73		
N	1053		

The next example equation is for PSY 314, Abnormal Psychology.

The R^2 was .34. The highlights of Table 3 are:

- * A trend of inflation can be noted in this course by comparing the negative estimate (-.10) for 1971 with the positive estimator (.39) for 1975. Thus, the grade in this course has increased by almost a half letter grade (.49) over time.
- * The GPA estimator was .84.
- * Psychology majors had higher average grades by a factor of .18 of a letter grade.
- * The weight for these majors was negative: Early Childhood (-.76), Music (-1.54), Special Education (-.28), Elementary Education (-.43), Marketing (-.51).
- * The average grade for females was estimated to .18 of a letter grade higher.
- * The weight for Winter Quarter grades was .24, or almost one-fourth of a letter grade higher if the student took the course Winter Quarter as compared with a student of similar characteristics who scheduled the course for Fall Quarter.

TABLE 3

PEY 314

Mean Grade = 3.04

S.D. = 1.04

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>β</u>
Year of Course: 75	.39	.26	.18
74	.31	.26	.13
73	.32	.26	.12
72	.27	.27	.08
71	-.10	.27	-.02
GPA	.84	.05	.50
Psychology	.18	.08	.07
Female	.18	.06	.09
Winter Qtr.	.24	.07	.10
Transfer GPA	-.06	.03	-.08
Early Childhood Education	-.76	.23	-.07
Music	-1.54	.61	-.05
Summer Qtr.	.15	.07	.07
Special Education	-.28	.10	-.08
Elementary Education	-.43	.16	-.06
Hours Attempted	.001	.001	.05
Sociology	.12	.13	.02
Marketing	-.51	.24	-.05
English	-.32	.17	-.04
Criminal Justice	-.17	.09	-.06
Social Welfare	-.27	.14	-.05
Secondary Education	-.29	.18	-.04
Real Estate	-.61	.39	-.03
Age	-.005	.009	-.02
SAT-Math	-.0005	.0003	-.04
Finance	-.51	.36	-.03
Management	-.20	.18	-.02
Political Science	.21	.23	.02
Missing Data-Age	.11	.13	.02
Missing Data-H.S. Yr.	-.10	.08	-.03
Biology	.14	.20	.01
Studio	.27	.36	.02
Hours Transferred	.0003	.001	.01
History	-.14	.23	-.01
Anthropology	.13	.23	.01
H.S. GPA	.04	.07	.01
Veteran	-.02	.05	-.01
Elementary Education	.13	.34	.009
Business Education	.23	.62	.008
Yrs. Since H.S.	-.003	.008	-.02
Fall Qtr.	.02	.07	.01
Undeclared	-.04	.11	-.008
Missing Data-Math	-.58	.50	-.28
Missing Data-Verbal	.57	.50	.27
General Studies	.11	.39	.006
Minority	.02	.07	.007
Class Standing	.01	.06	.009
Accounting	.03	.20	.004
Missing Data-H.S. GPA	.02	.08	.007
Math	-.05	.30	-.004
Nursing	-.02	.10	-.004
Constant	.46		
R^2	.34		
Standard Error of Estimate	.86		
N	1540		

The regression for grades in EC 201, Principles of Economics, is presented in Table 4. The R^2 was .39. The key findings of this table are:

- * Grades in this course showed a trend of increasing over time. Note that the estimator for each year was slightly higher than for the previous year. The estimator for 1971 was .52 as compared with .90 for 1975. This means that grades in this course are estimated to have increased by .38 of a letter grade over time.
- * The weight of GPA was .88.
- * The majors receiving higher grades on average were: Mathematics (.51), Accounting (.23), Finance (.32), Biology (.32), Economics (.25), Management (.13), General Studies (.29), Real Estate (.23).
- * The weight for Elementary Education majors was -.51.
- * The weight for students without a declared major was .21.
- * The estimators for Winter and Spring Quarters were positive.

TABLE 4

EC 201
Mean Grade = 2.59 S.D. = .96

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	.90	.12	.40
74	.75	.12	.34
73	.67	.11	.28
72	.53	.11	.19
71	.52	.11	.16
GPA	.88	.03	.56
Age	.006	.005	.03
Elementary Education	-.51	.18	-.04
Math	.51	.14	.06
EAT-Verbal	.0007	.0003	.05
Accounting	.23	.06	.09
Winter Qtr.	.11	.04	.05
Spring Qtr.	.15	.05	.05
Undeclared	.21	.06	.08
Finance	.32	.11	.05
Biology	.34	.14	.04
Economics	.25	.10	.04
Missing Data-H.S. GPA	.11	.04	.05
Hours Attempted	.00009	.0008	.005
Social Welfare	-.30	.18	-.03
Management	.13	.06	.05
General Studies	.29	.14	.04
Real Estate	.23	.11	.04
Early Childhood Education	-.37	.25	-.02
Music	.46	.32	.02
Missing Data-H.S. Yr.	.07	.05	.02
Nursing	-.42	.32	-.02
Journalism	-.11	.12	-.02
Anthropology	.29	.23	.02
Secondary Education	-.06	.12	-.008
Special Education	-.13	.20	-.01
History	-.07	.13	-.008
Fall Qtr.	-.04	.04	-.02
Hours Transferred	-.001	.0009	-.05
Class Standing	.06	.04	.05
Female	-.04	.04	-.02
Minority	.04	.05	.02
Studio	-.15	.24	-.01
Sociology	-.04	.14	-.005
Yrs. Since H.S.	.004	.005	.02
Missing Data-Age	-.07	.10	-.01
Veteran	-.02	.04	-.01
Political Science	.11	.11	.02
Psychology	.11	.10	.02
Marketing	.08	.07	.02
Business Education	.10	.11	.02
Criminal Justice	.09	.11	.01
Medical Technology	.16	.24	.01
English	.03	.15	.003
Transfer GPA	-.002	.02	-.002
Constant	-1.18		
R^2	.39		
Standard Error of Estimate	.77		
N	2616		

The analysis of grades in ENG 111, Composition, is given in Table 5. The value of the R^2 was .34. The table is summarized as follows:

- * No trend in either an increase or decrease of grades was apparent for this course.
- * The estimator SAT-Verbal scores of .002 was not only unusually strong, but also was approximately equal to the estimators for this variable in Table 1 for Freshmen GPA's.
- * Females were found to have higher grades by an average of .15.
- * As the number of credit hours attempted increases, the course grade is predicted to decrease.
- * These majors have higher expected course grades: English (.31), Journalism (.21), Psychology (.15).
- * Majors having negative estimators are: Music (-.19), Special Education (-.18), Early Childhood Education (-.22).

TABLE 5

ENG 111
Mean Grade = 2.52 S.D. = .86

Regressors	Estimators	Standard Error of Estimator	B
Year of Course: 75	.10	.08	.03
74	.05	.06	.02
73	-.0005	.06	-.0002
72	.07	.05	.03
71	.02	.05	.008
GPA	.60	.03	.44
SAT-Verbal	.002	.0002	.14
Female	.15	.03	.09
Hours Attempted	-.002	.0007	-.14
English	.31	.10	.05
Journalism	.21	.07	.05
H.S. GPA	.09	.03	.05
Music	-.19	.09	-.03
Psychology	.15	.07	.04
Special Education	-.18	.09	-.03
Early Childhood Education	-.22	.11	-.03
Age	.009	.005	.05
Missing Data-H.S. GPA	-.08	.06	-.04
Business Education	-.18	.11	-.02
History	-.18	.11	-.02
Winter Qtr.	-1.12	.71	-.45
Finance	-.14	.11	-.02
Economics	-.13	.10	-.02
Class Standing	.07	.04	.08
Hours Transferred	-.001	.0009	-.04
Biology	.10	.07	.02
Secondary Education	-.13	.12	-.02
Criminal Justice	-.05	.07	-.01
Transfer GPA	.02	.02	.02
Elementary Education	.09	.08	.02
Accounting	.06	.05	.02
Missing Data-H.S. Yr.	.05	.05	.02
Missing Data-Age	-.12	.09	-.02
Veteran	-.04	.04	-.02
Political Science	-.06	.09	-.009
Social Welfare	-.07	.13	-.008
Nursing	-.02	.06	-.005
Real Estate	.09	.13	.01
Fall Qtr.	-1.08	.71	-.44
Undecided	.03	.04	.01
General Studies	.05	.09	.009
Summer Qtr.	-1.06	.71	-.60
Spring Qtr.	-1.04	.71	-.32
Math	.04	.10	.008
Minority	-.01	.04	-.006
Sociology	.05	.11	.007
Studio	.03	.07	.007
Missing Data-Math	-.47	.51	-.23
Missing Data-Verbal	.45	.51	.22
Yrs. Since H.S.	-.002	.006	-.008
Medical Technology	-.03	.13	-.003
Anthropology	.03	.12	.003
Marketing	.02	.08	.003
SAT-Math	.00003	.0002	.003
Constant	.90		
R ²	.34		
Standard Error of Estimate	.71		
N	3247		

The analysis for AC 201, Principles of Accounting I, is presented in Table 6. An R^2 of .37 is shown. The strongest associations found are as follows:

- * The grading over time has shown an upward trend, with the six-year increase equaling .36 of a letter grade.
- * The cumulative GPA impact was 1.02.
- * SAT-Math score had a weak, but systematic effect.
- * Those majors with negative weights were: History (-.83), Business Education (-.30), Elementary Education (-.85).
- * Accounting majors had an estimator of .26.
- * Transfer GPA Indicator and Hours Transferred had negative estimators, while Years since High School was positive.

Note that the sample mean grade for students taking this course is 2.23 with a S.D. of 1.11. The analysis may be interpreted to indicate that while grades are increasing, this course still has a stringent grading pattern; however, it is less stringent now than it was.

TABLE 6

AC 201
Mean Grade = 2.23 S.D. = 1.11

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	.67	.14	.27
74	.55	.14	.21
73	.58	.14	.22
72	.53	.14	.17
71	.31	.14	.08
GPA	1.02	.03	.56
Accounting	.26	.06	.09
Missing Data-Verbal	.13	.05	.06
SAT-Math	.0009	.0003	.05
History	-.83	.25	-.05
Business Education	-.30	.12	-.04
Transfer GPA	-.04	.02	-.04
Yrs. Since H.S.	.01	.004	.05
Elementary Education	-.85	.40	-.03
Female	-.08	.05	-.03
Math	.28	.17	.03
Journalism	-.32	.18	-.03
Fall Qtr.	-.06	.05	-.02
Hours Transferred	-.002	.0009	-.06
Missing Data-H.S. GPA	.10	.06	.04
Sociology	.33	.27	.02
Spring Qtr.	-.05	.06	-.02
Marketing	-.10	.07	-.02
Class Standing	.06	.05	.05
Studio	-.35	.28	-.02
Medical Technology	.47	.45	.02
Special Education	-.36	.32	-.02
Anthropology	.35	.40	.01
General Studies	-.19	.19	-.02
Management	-.05	.06	-.02
Biology	-.21	.21	-.02
Criminal Justice	-.09	.13	-.01
Hours Attempted	-.0006	.0009	-.03
Political Science	-.13	.20	-.01
Secondary Education	-.22	.37	-.01
English	-.16	.27	-.009
Music	-.21	.45	-.007
Early Childhood Education	.21	.37	.009
Veteran	.03	.04	.01
Missing Data-H.S. Yr	.03	.06	.009
Winter Qtr.	.02	.05	.009
Real Estate	.04	.10	.007
Missing Data-Age	.04	.11	.006
H.S. GPA	.01	.11	.005
SAT-Verbal	-.00008	.0004	-.005
Psychology	.03	.14	.004
Minority	-.009	.05	-.003
Undeclared	.009	.06	.003
Constant	-1.52		
R^2	.37		
Standard Error of Estimate	.89		
N	2640		

The equation for HIST 112, Western Civilization Since the 17th Century, is presented in Table 7. The R^2 was .42. The table may be summarized as follows:

- * The inflationary trend was found in this course, based upon an estimator of -.24 for 1971 changing to .16 in 1975 or a net factor of .40 of a letter grade.
- * The cumulative GPA had a weight of 1.00.
- * The SAT-Verbal had a relatively strong effect, almost as great as that for predicting Freshmen GPA's shown in Table 1.
- * The majors with positive weights are: History (.47), Biology (.18).
- * Negative weights were found for these majors: Special Education (-.40), Elementary Education (-.30), Early Childhood Education (-.36), Music (-.24), Marketing (-.25), Nursing (-.20).
- * Females had on the average lower grades by a factor of -.11 of a letter grade.

TABLE 7

HIST 112
Mean Grade = 2.15 S.D. = 1.07

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	.16	.09	.05
74	.11	.08	.04
73	-.14	.08	-.05
72	-.17	.08	-.06
71	-.24	.07	-.09
GPA	1.00	.03	.59
SAT-Verbal	.001	.0003	.07
History	.47	.10	.07
Female	-.11	.04	-.05
Special Education	-.40	.09	-.06
Missing Data-H.S. GPA	.06	.05	.03
Elementary Education	-.30	.08	-.05
Biology	.18	.08	.03
Early Childhood Education	-.36	.12	-.04
Music	-.24	.09	-.04
Spring Qtr.	-1.24	.83	-.32
Marketing	-.25	.11	-.03
Yrs. Since H.S.	.007	.006	.03
Nursing	-.20	.10	-.03
Economics	.19	.12	.02
Real Estate	-.27	.17	-.02
Math	-.16	.10	-.02
Criminal Justice	-.10	.07	-.02
Missing Data-Age	.17	.10	.02
Psychology	-.08	.07	-.02
Class Standing	-.01	.04	-.01
Studio	-.09	.07	-.02
Minority	-.05	.04	-.02
Medical Technology	.23	.20	.02
Anthropology	.15	.14	.02
Accounting	-.07	.07	-.01
Winter Qtr.	-1.39	.83	-.53
Social Welfare	-.13	.14	-.01
Business Education	-.09	.11	-.01
Sociology	-.08	.11	-.01
General Studies	-.08	.12	-.009
Summer Qtr.	-1.36	.83	-.62
Fall Qtr.	-1.33	.83	-.58
Journalism	.05	.08	.009
Missing Data-Verbal	.03	.05	.01
English	.05	.09	.009
SAT-Math	-.0002	.0003	-.01
Veteran	.02	.04	.009
H.S. GPA	.02	.03	.007
Political Science	.04	.09	.006
Hours Attempted	-.0003	.0008	-.02
Management	-.02	.07	-.004
Hours Transferred	-.0002	.0009	-.006
Finance	.03	.13	.002
Age	.0008	.06	.004
Constant	.57		
R ²	.42		
Standard Error of Estimate	.82		
N	3201		

The previous explanation of the selected individual courses was for the purpose of aiding the reader to interpret the additional tables in Appendix A. The total of all course analyses was used to compile a summary chart. This chart is for the express purpose of noting inflationary or deflationary trends in the course grading patterns. This summary chart is based upon data excerpted from the individual analyses and should not be construed as a substitution for inspection of the course-by-course tables in the appendix.

The presentation is ordered based upon the sample average grade over the total six-year period for those students included in the analysis. To reiterate, these are grades from students who had attempted at least 40 hours at Georgia State University and thus the mean grade is not the average for all students who have taken the particular course. The sample is purposely biased toward those students who had attempted a minimum of approximately one year of academic work at Georgia State University. The sample mean grade is meant to be a reference point for this study sample only and not as an unbiased estimate of the average grade in a particular course for the time period 1970 to 1975.

The next five columns in the summary chart are the regression estimators which are excerpted from the whole equations, and a close inspection of them must be made by referring to the individual appendix tables. The constant term is included to enable the reader to judge the relative importance of the sample mean grade. In explanation, a course with a high mean grade by itself does not mean it has an "easy" grading pattern or that it is a "crip" course. However, the constant term may be interpreted as being an indicator of the base grade controlling for the other factors in the equation, such as scholastic ability, major, etc. Thus, a "high" grading course would be one with a relatively large constant value. If, for

example, the constant was +2.0, the indication is that students enter the course with a "C." On the other hand, a "low" grading course would be one with a relatively large negative value for the constant term. To illustrate, HA 401 (Hospital Organization) with a comparative high sample mean grade but with a negative constant indicates that there are factors associated with the student characteristics in the course which explained the higher grades.

CHART 1
Summary Based Upon Regression Equations in Appendix A

Course	Sample Mean Grade	Regression Estimators					Constant	R ²
		71	72	73	74	75		
PT 304	3.76	.72	-.64	.30			.50	.50
MUS 107	3.71	-.31	-.34	-.62	-.98	-1.47	2.89	.47
MUS 106	3.65	-.18	-.31	-.27	-.52	-1.19	3.89	.43
HPRS 101	3.62				.29		3.82	.27
HPRS 344	3.59				.06		1.38	.42
ECI 346	3.56	-.50	-.32		-.01	.24	2.11	.42
MUS 108	3.52	-.17	-.34	-.37		-1.27	3.18	.40
NURS 102	3.48		.41		-.18	-.39	3.89	.26
LSM 436	3.45			-.09		.54	2.41	.70
PED 101	3.38	-.45	-1.45	-.12	.17		5.37	.45
FED 310	3.37	.43	.01	.13		-.15	1.13	.24
UL 494	3.37	-.003	-.05	.31	.41	.56	1.29	.31
PSY 358	3.36	-.33	-.16	-.32	-.27	-.05	1.59	.25
BED 450	3.34	-.72	.29	.11	.0008		.72	.37
UL 333	3.34	-1.56	-.85	-2.02	-.33		5.24	.66
MH 102	3.24	-.83	-.82	.07		.10	-.07	.69
NURS 112	3.23	-.63		-.06	.48	.37	1.01	.60
PED 345	3.22	.07	.23	.13			-.10	.48
FED 305	3.19	.47	.13		.28	.21	.51	.34
MGT 444	3.18	.08	.10		.24	.45	.53	.33
HA 401	3.17	1.83	.12	.08	.63	1.58	-1.54	.80
HPRS 345	3.16				.32		.47	.49
SPE 401	3.15	-.55	-.34	-.005	.22		.32	.54
DS 092	3.11				-.42		.42	.67
MUS 393	3.10	-.21	-.22	-.23	-.12	-.19	.31	.34
NURS 101	3.07	-.69	-.58	-.44	-.20	.05	1.02	.63
MGT 401	3.06	-.14	1.00	-.18	-.01		.97	.38
FED 496	3.06	-.09	-.07	-.25		.04	.50	.31
UL 361	3.05		-.009	-.65	-.25		1.47	.54
PSY 314	3.04	-.10	.27	.32	.31	.39	.46	.34
NURS 212	3.02		-.18		.07	.21	1.47	.66
SL 401	3.01	-.26	-.35	.22	-.16		.81	.35
MGT 430	3.00	.21	.16		.10	.04	1.23	.30
PSY 313	2.98	.44	-.05	.67	.86	.89	-1.44	.46
SPCH 150	2.98		-.36	-.07	.17	.33	.20	.45
PED 344	2.97			.11	.40		-1.90	.56
EC 386	2.96	-.23	-.14	.50	.53	.59	.77	.38
MH 101	2.95		.23	.32	.28	.64	-.46	.55
LAT 101	2.91	.39	.48	.49	.76	1.00	-2.74	.53
SPAN 202	2.90		-.03	.64	.32	.24	.41	.50
SPCH 101	2.89	.17	.20	.39	.51	.52	.39	.45
SPAN 201	2.87	-.63		.24	-.10	-.23	.49	.52
MGT 350	2.85	.20	.57	.63	.59	.70	-.11	.35
EC 350	2.84	.40	.83	.74	.96	1.31	-.82	.44
NURS 111	2.84	-.03	-.28	-.42	-.10	-.20	1.89	.46
SOC 308	2.84	-.02	.04	.15	.18	.30	-.35	.49
LING 301	2.84	-.85	-1.01	-.58		.55	.39	.59
ANTH 102	2.82	-.13	-.17	-.13	-.21	.23	-.003	.35
POLS 201	2.81	-.06	-.20		.15	.12	1.15	.48
PSY 301	2.80	-.73	.05	-.12	.01		.07	.45
FR 101	2.80	.10	-.03	.32	.27	.29	-.15	.44
FR 202	2.79	.10		.35	.52	.72	.09	.57
MGT 480	2.78	-.54	-.38	-.006	.24	.23	.76	.30
BL 301	2.76	.13	.13	.22	.50	.46	-.50	.35
GEOG 350	2.76	.47	-.19	.26	.64	.15	.58	.48
DRAM 304	2.75	.16		-.25	-.04	.26	-3.44	.61
SOC 202	2.73	-.11	-.22		-.03	.31	.48	.44
CHEM 116	2.72	.63	.68	.66	.54	.61	.84	.25
PSY 300	2.72	.89	.65	.77	.95	1.07	-1.11	.50
SPAN 101	2.72	.49	.51	.71	.66	.50	-.33	.44
MK 430	2.72	-.71	-.44	-.26	-.11	-.32	-.52	.43
NURS 211	2.72	-.42	-.43		.08	-.70	.93	.67
RE 410	2.71	.50	-.65	-.68		.10	-.42	.42
JOUR 400	2.71	-.31	-.25	.15		.19	-.77	.72
RE 301	2.71	.07	.06	.27	.06	.08	-.29	.37
DM 312	2.71	-.50	-.53	-.51	-.23	-.20	.20	.35

Summary Based Upon Regression Equations in Appendix A

Course	Sample Mean Grade	Regression Estimators					Constant	R ²
		71	72	73	74	75		
CHEM 117	2.70	.67	.41	.47	.67	.96	-1.91	.34
BED 236	2.70	-.01		-.06	.07	-.12	1.25	.41
IS 302	2.70	.83	.57	.65	.66	.62	-.54	.38
CHEM 118	2.69	.71	.40	.54	1.08	1.10	-.01	.45
UL 495	2.68	-1.78	-1.26	-1.56	-1.51	-1.40	1.76	.43
EC 202	2.67	.28	.48	.67	.72	.74	-1.09	.38
POLS 414	2.67	1.47	.86	.70	.93	1.08	-1.14	.40
MK 301	2.67	.16	.15	.40	.56	.45	.10	.34
PHYS 250	2.66		-.67	-.35	-.13		-.53	.63
GER 201	2.65	-.52		.26	-.13	-.17	-.86	.51
INS 350	2.65	-.12		.02	.03	.08	-.37	.42
EC 360	2.65	.39	.46	.46	.51	.63	-.61	.42
SPAN 102	2.64	-.33	-.33	-.26	-.50	-.76	1.38	.46
SOC 201	2.64	.15		.02	.08	.40	-.002	.42
RT 245	2.63		-.61	-.80		.17	-.17	.63
PSY 201	2.62	.10	.24	.23	.34	.48	-.26	.41
PHIL 201	2.61	.18		-.20	-.03	.008	-.04	.44
MATH 107	2.61		-.41	-.23	-.04		-.72	.45
SOC 400	2.60	-.09		-.02	-.30	-.17	.99	.44
GER 202	2.60		.17	1.11	.95	1.04	.14	.60
MT 452	2.59			-.95	-.90	-.69	1.91	.70
EC 201	2.59	.52	.53	.67	.75	.90	-1.18	.39
JOUR 308	2.59	.50	.70	.44	.57	.53	-.92	.61
PHIL 301	2.59	.13	.19	.16	.41	.72	-.30	.43
ENG 211	2.55	.004	-.02	.05	.04	.42	-.10	.50
CJ 301	2.54	-.43	-.46	-.55	-.38	-.36	-.06	.50
ENG 201	2.54	-.23	-.35	-.27	-.22	-.18	-.12	.41
UL 301	2.54		-.16		.23	.18	1.16	.47
GEOL 102	2.53	.47	.32	.73	.79	.77	-1.28	.41
MICR 250	2.53	.22		.05	.25	.02	.43	.67
ENG 202	2.53	-.07	-.10	-.24	-.09	.11	-.02	.36
GEOL 101	2.52	.48	.82	.78	.67	.95	-1.61	.45
FR 102	2.52	-.17	.06	.22	.22	.05	-.34	.48
ASTR 101	2.52	-.67	-.81	-.47	-.50	-.39	.54	.67
ENG 111	2.52	.02	.07	-.0005	.05	.10	.90	.34
ENG 112	2.51	.37	.34	.17	.31	.47	.11	.30
CHEM 111	2.51	.002	.09	.19	.33	.40	-1.68	.40
GEOG 101	2.50	-.21	.03	.44	.09	-.13	-.08	.48
CHEM 240	2.50		-.31		-.007	-.17	.51	.43
GER 102	2.49	.57	1.21	1.02	1.00	1.15	-.56	.46
FR 201	2.49	-.32		.01	-.14	.02	-.18	.49
MATH 211	2.49	.28	.55	.66	.66	.86	-1.73	.45
MATH 105	2.48	-.04	.05	.12	.30	.32	-.62	.40
PHY 102	2.48	-.23	.02	-.14	-.05	-.15	-1.21	.56
CHEM 113	2.48	.16	-.06	.04	.30	.48	-1.50	.51
GER 101	2.47	.76	.51	.88	.76	.91	-.51	.44
FI 330	2.45	.25	.16	.27	.35	.57	-.79	.38
MATH 125	2.44	-.26	-.06	.11	.15	.32	-1.74	.44
JOUR 101	2.43	.14	-.04	.11	-.10	-.02	-1.74	.55
CHEM 112	2.41	.49	.53	.57	.96	1.01	-2.81	.49
MATH 102	2.40		-.61	-.32	-.08		-.93	.44
MKR 351	2.40	-.56		-.24	-.16		3.99	.61
DM 231	2.39	.11	.17	.28	.33	.50	-1.51	.40
ART 179	2.39	-.58	-.88	-1.10	-.88	-.87	.19	.43
BIO 111	2.39	.87	.81	.75	.94	.87	-1.57	.56
HIST 476	2.37	.86	.50	.38	.77	.76	-1.99	.51
PHYS 101	2.37	-.37	-.35	-.16	-.12	-.12	-1.43	.51
POLS 101	2.37	.19	.09	.39	.45	.40	-2.01	.46
GEOG 103	2.36	.39	.51	.51	.72	.83	-1.22	.37
GEOL 101	2.35	.46	.47	.51	.78	.77	-1.90	.44
AC 433	2.32	-.99	-.50	-.29	-.06	.27	-.72	.45
IS 301	2.31	.29	.48	.37	.42	.55	-.95	.34
DM 302	2.29	-.14	-.27	-.18	-.05	-.009	-.89	.38
BIO 112	2.26	-.86	-.20	-.21	-.18	-.17	.22	.65
DM 121	2.26	.42	-.06	.39	.51	.64	-1.57	.43
AC 202	2.24	-.03	.13	.02	.04	.31	-.31	.39

Summary Based Upon Regression Equations in Appendix A

Course	Sample Mean Grade	Regression Estimators					Constant	R^2
		71	72	73	74	75		
AC 201	2.23	.31	.53	.58	.55	.67	-1.52	.37
DM 122	2.21	-.12	-.25	-.12	.05	.13	-.36	.39
HIST 111	2.19	.33	.32	.40	.45	.74	-2.46	.48
ZOO 313	2.19	.18	-.007	.27	.14		7.52	.65
HIST 113	2.17	-.03	-.10	.02	.11	.25	-.56	.43
MATH 115	2.17	.14	.04	.11	.35	.26	-1.32	.44
BIO 100	2.15	.08		-.24	.10		-2.03	.54
HIST 112	2.15	-.24	-.17	-.14	.11	.16	.57	.42
AC 409	2.11	-.01	.17	.18	.32	.51	-1.46	.40
AC 410	2.10	.64	1.33	1.38	1.24	1.36	-1.27	.37
BIO 200	2.01	.15		-.17	-.50		-.22	.50

The crude term "grade inflation" is a poor choice of words to describe the dynamic interaction that involves students, faculty and curriculum; nevertheless, it is hoped that no injustice is done by attempting to say a group of coefficients represents the changes over six years in a particular course. With this caveat aside, the arbitrary working definition of grade inflation or deflation is applied to the summary chart items if at least .50 of a letter grade absolute difference is shown between 1971 and 1975 along with a generally monotonic increase or decrease in intervening years. Those courses which meet the arbitrary definition are:

<u>Positive</u>		<u>Negative</u>	
AC 433	+1.26	MUS 107	-1.16
NUR 112	+1.00	MUS 108	-1.10
EC 350	+ .91	MUS 106	-1.01
EC 386	+ .82	NUR 102	- .80
MGT 480	+ .77	FED 310	- .58
SPE 401	+ .77	BIO 200	- .65
NUR 101	+ .74		
AC 410	+ .72		
BED 450	+ .72		
SPCH 150	+ .66		
LSM 436	+ .63		
PED 101	+ .62		
FR 202	+ .62		
LAT 101	+ .61		
PHIL 301	+ .59		
MATH 125	+ .58		
UL 494	+ .56		
MATH 211	+ .56		
MATH 201	+ .53		
AC 409	+ .52		
CHEM 112	+ .52		
JOUR 400	+ .50		
MGT 350	+ .50		

The individual courses with apparently high bases are::

ZOO 313	+7.52
PED 101	+5.37
UL 333	+5.24
MUS 106	+3.89
NURS 102	+3.89
HPRS 101	+3.82
MUS 108	+3.18
MUS 107	+2.89
LSM 436	+2.41
ECI 356	+2.11

These courses are predominately the ones with higher mean grades,
but not exclusively.

The courses with the largest negative bases are:

DRAM 304	-3.44
CHEM 112	-2.84
LAT 101	-2.74
HIST 111	-2.46
BIO 100	-2.03
POLS 101	-2.01

Summary

A study has been conducted on undergraduate grades at Georgia State University. It examined these grades in relation to student ability levels, programs of study and longitudinal trend. Using the statistical technique of multiple regression, analyses were performed for 144 separate courses. The study population numbered 9,338 and represented current undergraduates who had attempted 40 hours as of Fall, 1975.

The conclusions reached from this concerning undergraduate grades are:

1. Most of the courses analyzed did not show a secular increase in overall grading patterns when controlling for students' scholastic abilities, majors and personal background.
2. Relatively few courses showed a systemic longitudinal increasing trend--i.e., grade inflation. These courses were often still the "hardest" grading ones in the curricula after taking into account the inflation.
3. The phenomenon of grade deflation was reported by Engstrand (1975) to have occurred at the University of Minnesota. It can be concluded from this study that the same phenomenon has occurred at Georgia State University in a few courses. These courses were almost all those which were in the higher mean grade group. The inference is that "easier" courses showed a trend of regressing toward the mean.
4. A number of courses had highly predictable grades, while others were not so predictable. Nevertheless, the general fit of the equations as measured by R's showed many courses to be about as predictable as are Freshmen GPA.
5. A comparison of estimated base grades--using the constant term--showed the higher grading courses have higher bases. There were, however, numerous inconsistencies to the trend.
6. The course-by-course analyses showed an interesting interaction of predictor variables with course grades. The heterogeneous nature of the analysis makes it impossible to list these multiple relationships. However, they are vitally important to a full understanding of grading patterns.

7. These findings support our original hypothesis that the broad general term grade inflation does not explain the changing patterns of increasing grades in undergraduate classes at Georgia State University. Rather, the implication is that more students are opting for courses which have traditionally had higher grades.

Discussion

Based upon the investigation by Prather and Smith (1976), a hypothesis was formulated that students have many more options to avoid high risk courses at this university than was the case ten years ago and that the change has contributed to higher student grades. This investigation further supports the hypothesis. One need only compare the catalog for 1966-67 with the one for 1974-75 to note the large number of additions to the curricula. It can also be noted that courses identified in this report as having more lenient grading, after controlling for the ability level of the student population, tend to be associated with these new curricula. Other changes of note based upon the catalogs have been the de-emphasis of foreign languages and biological and physical sciences as requirements for degree programs. These courses have traditionally been difficult for many students.

With regard to grade inflation, there is not a secular trend of it occurring systematically throughout the course offerings. In fact, courses identified as having lenient grading patterns have not tended to increase leniency over time; rather, the reverse is shown and some slight downward adjustments appear to be in progress. A number of courses with strict grading standards seem to be adjusting grades upward, but generally these courses still appear to be conservative in grading patterns.

This study shows in many instances congruence between course grading patterns within a particular discipline and also between similar disciplines, but incongruence between dissimilar disciplines. Quantitative

type courses tend to have stringent grading standards across department and school lines. Thus, it appears that grades are influenced to no small degree by the associated discipline and the values assigned to grades by the discipline. If there is a shift of the student body to course programs with lenient grading standards, then there will be a normal shift to a higher GPA.

The last decade has been a period of tremendous growth and expansion at this institution. In 1969, Georgia State College became Georgia State University. New schools established during this same era included:

School of Education	1967
School of General Studies	1968
School of Allied Health Services	1968
School of Urban Life	1970

As a result of this expansion, many new departments, programs, degrees and majors have been added. Thus, the profile of this institution, faculty and student body is quite different today than it was ten years ago. A more heterogeneous curriculum is indicative of the diversified disciplines now represented on the faculty to serve a more heterogeneous student body. It is interesting to note that as the program offerings increased, the proportion of A grades also increased (see Prather and Smith, 1976, p. 3). One might believe that this is merely a coincidence; however, the study of faculty grading patterns identified courses associated with new curricula as tending to have more lenient grading standards.

There is an economic aspect to grading by disciplines. If course offerings are regarded as being "too tough" by students, these students have the option to a) withdraw, b) change institutions, c) change their major or d) take the course at one of the many colleges in the metropolitan area and transfer the credit to this institution. Competition for student enrollments is real both within and between institutions. Whether or not the economic aspects are contributing to the increase of grades in

some courses cannot be answered from this study. However, a survey of entering freshmen in the Fall of 1975 (Williams, 1975, p. 7) indicated that it was the "good academic reputation" of Georgia State University, cost and location that attracted students rather than recruitment efforts. Georgia State was not perceived by these students as having a reputation of being easy.

We believe based upon our research into undergraduate grades at Georgia State University that grading practices are not chaotic on a course-by-course basis. The redistribution of grades that has occurred has resulted, in our opinion, from the diversification of the curricula. In courses that have high or low grading patterns, comparative data is provided so that the appropriate faculty groups can assess the course content, evaluation procedure, or goals of the department, school or university. Courses have also been identified which are increasing over time.

Thus, this effort has been concerned with describing what is happening in individual course grades. It is intended to aid the Institutional Self-Study Program currently in progress.

Oh, E. K. A study of instructor grading philosophies and practices at Western Michigan University. (Doctoral dissertation, Western Michigan University, 1976). Dissertation Abstracts International, 1976, 36, 7239A-7240A. (University Microfilms No. 76-10, 555).

Prather, J. E. & Smith, G. Faculty grading patterns, Atlanta, Ga.: Office of Institutional Planning, April, 1976.

Schoenfeldt, L. F. & Bush, D. H. Patterns of college grades across curricular areas: Some implications for GPA as a criterion. American Educational Research Journal, 1975, 12, 313-321.

White, E. M. Sometimes an A is really an F. Chronicle of Higher Education, 1975, February 3, p. 24.

Williams, J. E. Survey of entering freshmen: 1975-76, Atlanta, Ga.: Office of Institutional Planning, December 1975.

APPENDIX

LIST OF COURSES

<u>School</u>	<u>Mean Grade</u>	<u>Course</u>	<u>Page</u>
AHS	3.76	PT 304	A-1
AS	3.71	MUS 107	A-2
AS	3.65	MUS 106	A-3
ED	3.62	HPRS 101	A-4
ED	3.59	HPRS 344	A-5
ED	3.56	ECI 346	A-6
AS	3.52	MUS 108	A-7
AHS	3.48	NURS 102	A-8
ED	3.45	LSM 436	A-9
ED	3.38	FED 101	A-10
ED	3.37	FED 310	A-11
UL	3.37	UL 494	A-12
AS	3.36	PSY 358	A-13
ED	3.34	HED 450	A-14
UL	3.34	UL 333	A-15
AHS	3.24	MH 102	A-16
AHS	3.23	NURS 112	A-17
ED	3.22	FED 345	A-18
ED	3.19	FED 305	A-19
BA	3.18	MGT 444	A-20
BA	3.17	HA 401	A-21
ED	3.16	HPRS 345	A-22
ED	3.15	SPE 401	A-23
DS	3.11	DS 092	A-24
AS	3.10	MUS 393	A-25
AS	3.08	RUS 101	A-26
AHS	3.07	NURS 101	A-27
BA	3.06	MGT 401	A-28
ED	3.06	FED 496	A-29
UL	3.05	UL 361	A-30
AS	3.04	PSY 314	A-31
AHS	3.02	NURS 212	A-32
BA	3.01	BL 401	A-33
BA	3.00	MGT 430	A-34
AS	2.98	PSY 313	A-35
AS	2.98	SPCH 150	A-36
ED	2.97	FED 344	A-37
BA	2.96	EC 386	A-38
AHS	2.95	MH 101	A-39
AS	2.91	LAT 101	A-40
AS	2.90	SPAN 202	A-41
AS	2.89	SPCH 101	A-42
AS	2.87	SPAN 201	A-43
BA	2.85	MGT 350	A-44
BA	2.84	EC 350	A-45
AHS	2.84	NURS 111	A-46
AS	2.84	SOC 308	A-47
AS	2.84	LING 301	A-48
AS	2.82	ANTH 102	A-49
AS	2.81	POLS 201	A-50
AS	2.80	PSY 301	A-51
AS	2.80	FR 101	A-52
AS	2.79	FR 202	A-53
BA	2.78	MGT 480	A-54
BA	2.76	BL 301	A-55
AS	2.76	GEOG 350	A-56
AS	2.75	DRAM 304	A-57
AS	2.73	SOC 202	A-58
AS	2.72	CHEM 116	A-59
AS	2.72	PSY 300	A-60

<u>School</u>	<u>Mean Grade</u>	<u>Course</u>	<u>Page</u>
AS	2.72	SPAN 101	A-61
BA	2.72	MK 430	A-62
AHS	2.72	NURS 211	A-63
BA	2.71	RE 410	A-64
AS	2.71	JOUR 400	A-65
BA	2.71	RE 301	A-66
BA	2.71	DM 312	A-67
AS	2.70	CHEM 117	A-68
ED	2.70	HED 236	A-69
BA	2.70	IS 302	A-70
AS	2.69	CHEM 118	A-71
UL	2.68	UL 495	A-72
BA	2.67	EC 202	A-73
AS	2.67	POLS 414	A-74
BA	2.67	MK 301	A-75
AS	2.66	PHYS 250	A-76
AS	2.65	GER 201	A-77
BA	2.65	INS 350	A-78
BA	2.65	EC 360	A-79
AS	2.64	SPAN 102	A-80
AS	2.64	SOC 201	A-81
AHS	2.63	RT 245	A-82
AS	2.62	PSY 201	A-83
	2.61	PHIL 201	A-84
AS	2.61	MATH 107	A-85
AS	2.60	SOC 400	A-86
AS	2.60	GER 202	A-87
AHS	2.59	MT 452	A-88
BA	2.59	EC 201	A-89
AS	2.59	JOUR 308	A-90
AS	2.59	PHIL 301	A-91
AS	2.55	ENG 211	A-92
UL	2.54	CJ 301	A-93
AS	2.54	ENG 201	A-94
UL	2.54	UL 301	A-95
AS	2.53	GEOL 102	A-96
AS	2.53	MICR 250	A-97
AS	2.53	ENG 202	A-98
AS	2.52	GEOL 101	A-99
AS	2.52	FR 102	A-100
AS	2.52	ASTR 101	A-101
AS	2.52	ENG 111	A-102
AS	2.51	ENG 112	A-103
AS	2.51	CHEM 111	A-104
AS	2.50	GEOL 104	A-105
AS	2.50	CHEM 240	A-106
AS	2.49	GER 102	A-107
AS	2.49	FR 201	A-108
AS	2.49	MATH 211	A-109
AS	2.48	MATH 105	A-110
AS	2.48	PHY 102	A-111
AS	2.48	CHEM 113	A-112
AS	2.47	GER 101	A-113
BA	2.45	FI 330	A-114
AS	2.44	MATH 125	A-115
AS	2.43	JOUR 101	A-116
AS	2.41	CHEM 112	A-117
AS	2.40	MATH 102	A-118
BA	2.40	MICR 351	A-119
BA	2.39	DM 231	A-120
AS	2.39	ART 179	A-121
AS	2.39	HIO 111	A-122
AS	2.37	HIST 476	A-123
AS	2.37	PHYS 101	A-124
AS	2.37	POLS 101	A-125
AS	2.36	GEOL 103	A-126

<u>School</u>	<u>Mean Grade</u>	<u>Course</u>	<u>Page</u>
AS	2.35	GEO 101	
BA	2.32	AC 433	A-127
BA	2.31	IS 301	A-128
BA	2.29	DM 302	A-129
AS	2.26	BIO 112	A-130
BA	2.26	DM 121	A-131
BA	2.24	AC 202	A-132
BA	2.23	AC 201	A-133
AS	2.21	DM 122	A-134
AS	2.19	HIST 111	A-135
AS	2.19	ZOO 313	A-136
AS	2.17	HIST 113	A-137
AS	2.17	MATH 115	A-138
AS	2.15	BIO 100	A-139
BA	2.15	HIST 112	A-140
BA	2.11	AC 409	A-141
AS	2.10	AC 410	A-142
	2.01	BIO 200	A-143
			A-144

PT 304
Mean Grade = 3.76 S.D. = .43

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 73	.30	.14	.35
72	-.64	.44	-.20
71	.72	.54	.22
Psychology	-1.27	.46	-.38
Hours Attempted	.004	.003	.41
GPA	.16	.18	.13
Missing Data-H.S. Yr.	-1.23	.74	-.37
Class Standing	-.46	.28	-.34
Yrs. Since H.S.	-.04	.04	-.20
Missing Data-Math	.22	.15	.23
SAT-Verbal	.001	.001	.18
Missing Data-H.S. GPA	-.35	.30	-.28
Veteran	-.16	.30	-.08
H.S. GPA	-.14	.34	-.05
Business Education	.42	.47	.13
Transfer GPA	.09	.10	.30
Female	-.07	.17	-.07
Minority	-.08	.25	-.06
SAT-Math	-.0002	.001	-.03
Constant	.50		
R ²	.50		
Standard Error of Estimate	.37		
N	58		

MUS 107
Mean Grade = 3.71 S.D. = .61

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	-1.47	.43	-1.10
74	-.98	.42	-.70
73	-.62	.41	-.44
72	-.34	.42	-.20
71	-.31	.44	-.13
GPA	.53	.16	.44
Summer Qtr.	-.27	.17	-.21
Class Standing	.44	.18	.60
Female	-.20	.15	-.16
SAT-Verbal	-.003	.001	-.43
Minority	-.33	.24	-.17
Missing Data-Math	-.15	.20	-.12
Missing Data-H.S. Yr.	.32	.20	.19
H.S. GPA	-.20	.15	-.17
Hours Attempted	-.004	.002	-.35
Transfer GPA	-.11	.07	-.24
SAT-Math	.002	.001	.26
Veteran	.30	.26	.19
Missing Data-Age	.12	.74	.03
Winter Qtr.	.09	.16	.07
Undeclared	.07	.35	.03
Age	.02	.05	.23
Hours Transferred	-.001	.002	-.07
Music	-.24	.25	-.1
Journalism	-.34	.46	-.1
English	-.40	.45	-.13
Anthropology	-.37	.47	-.09
Fall Qtr.	.05	.18	.04
Studio	-.15	.34	-.04
Yrs. Since H.S.	-.02	.06	-.20
Management	-.19	.65	-.03
Biology	-.17	.59	-.02
Missing Data-H.S. GPA	-.02	.22	-.02
Constant	2.89		
R ²	.47		
Standard Error of Estimate	.50		
N	150		

MUB 106
Mean Grade = 3.65 S.D. = .74

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	-1.19	.22	-.69
74	-.52	.21	-.31
73	-.27	.21	-.14
72	-.31	.20	-.16
71	-.18	.20	-.08
GPA	.44	.09	.30
Summer Qtr.	-.09	.26	-.06
Psychology	-.06	.28	-.01
Missing Data-H.S. Yr.	.30	.14	.13
Missing Data-Age	-.87	.46	-.18
Undeclared	.56	.23	.15
H.S. GPA	-.10	.08	-.07
SAT-Math	-.0005	.0005	-.05
Anthropology	-.03	.30	-.005
Age	-.03	.03	-.13
Veteran	-.17	.16	-.08
Early Childhood Education	-.07	.47	-.007
Math	.62	.36	.09
Winter Qtr.	.22	.26	.13
Missing Data-H.S. GPA	-.009	.10	-.006
Accounting	.63	.46	.06
Music	.32	.17	.18
Nursing	.46	.29	.08
Special Education	.50	.46	.05
History	.64	.64	.04
Fall Qtr.	.15	.26	.10
General Studies	.33	.33	.05
Elementary Education	.35	.31	.06
Journalism	.26	.26	.06
Yrs. Since H.S.	.02	.03	.08
Class Standing	.03	.06	.04
Transfer GPA	-.03	.05	-.04
Hours Transferred	.0007	.002	.03
English	.22	.65	.02
Minority	-.04	.15	-.01
Female	-.01	.09	-.007
Constant	3.89		
R^2	.43		
Standard Error of Estimate	.59		
N	378		

HPRS 101
Mean Grade = 3.62 S.D. = .76

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>B</u>
Year of Course: 74	.29	.12	.15
GPA	.34	.09	.27
English	-.61	.24	-.16
Biology	-.99	.37	-.15
Studio	-.39	.16	-.15
Transfer GPA	-.12	.05	-.21
History	-.63	.31	-.11
General Studies	-.64	.30	-.12
Summer Qtr.	.17	.11	.11
Undeclared	.33	.20	.10
Missing Data-H.S. Yr.	-.37	.18	-.13
Accounting	.48	.33	.08
Sociology	-.42	.24	-.10
Criminal Justice	-.54	.38	-.08
Medical-Technology	-.29	.37	-.05
Female	.10	.13	.05
Minority	.07	.16	.03
Special Education	-.20	.19	-.07
Hours Attempted	-.002	.002	-.11
Economics	-.65	.73	-.05
Psychology	-.17	.19	-.05
SAT-Math	-.0004	.0007	-.03
Yrs. Since H.S.	.04	.04	.25
Age	-.04	.04	-.22
Veteran	-.13	.14	-.06
Class Standing	.06	.13	.07
Management	-.25	.38	-.04
Music	.27	.51	.03
SAT-Verbal	-.0004	.0006	-.04
Anthropology	.19	.37	.03
Journalism	.10	.23	.03
Early Childhood Education	.10	.19	.03
Missing Data-Math	.03	.13	.02
Fall Qtr.	.04	.12	.02
Real Estate	.23	.72	.02
Finance	.15	.73	.01
H.S. GPA	.16	.08	.01
Missing Data-Age	-.07	.42	-.01
Missing Data-H.S. GPA	.03	.16	.02
Hours Transferred	-.0003	.002	-.02
Secondary Education	.03	.25	.006
Constant	3.82		
R ²	.27		
Standard Error of Estimate	.70		
N	308		

HPRS 344
Mean Grade = 3.59 S.D. = .63

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 74	.06	.13	.04
GPA	.60	.08	.52
Minority	-.32	.10	-.19
Yrs. Since H.S.	-.01	.008	-.09
Business Education	-1.13	.60	-.11
Hours Transferred	.0009	.001	.06
Missing Data-H.S. Yr.	.38	.14	.19
Missing Data-Age	-.23	.24	-.07
Winter Qtr.	.15	.10	.11
Missing Data-Verbal	-.12	.10	-.09
Special Education	.28	.31	.21
Undeclared	.50	.40	.10
Female	.13	.12	.06
Hours Attempted	.002	.002	.15
Secondary Education	.52	.43	.09
Elementary Education	.22	.31	.17
Class Standing	-.12	.11	-.09
Fall Qtr.	.08	.10	.05
SAT-Verbal	.0004	.0006	.05
Veteran	.08	.12	.05
Early Childhood Education	.14	.32	.09
Summer Qtr.	-.03	.13	-.02
Missing Data-H.S. GPA	-.04	.11	-.03
Transfer GPA	.01	.04	.02
Accounting	.16	.61	.02
SAT-Math	-.0001	.0007	-.02
Constant	1.38		
R^2	.42		
Standard Error of Estimate	.50		
N	256		

ECI 346
Mean Grade = 3.56 S.D. = .67

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>R</u>
Year of Course: 75	.24	.12	.18
74	-.01	.12	-.009
72	-.32	.21	-.09
71	-.50	.23	-.21
GPA	.54	.08	.45
Studio	-3.46	.56	-.29
Hours Transferred	-.001	.002	-.07
Journalism	1.42	.60	.12
Elementary Education	.14	.07	.10
Fall Qtr.	-.18	.18	-.11
Management	1.01	.56	.09
Minority	-.17	.10	-.10
Missing Data-Age	.29	.18	.09
History	-1.11	.63	-.09
Secondary Education	.70	.57	.06
Missing Data-H.S. GPA	.14	.11	.07
Real Estate	.48	.72	.04
SAT-Verbal	-.0006	.0005	-.06
Winter Qtr.	-.05	.18	-.03
Hours Attempted	.002	.002	.16
Class Standing	-.19	.13	-.13
Veteran	.11	.09	.07
Missing Data-H.S. Yr.	.05	.16	.02
Female	-.06	.11	-.03
Accounting	.29	.55	.02
Transfer GPA	-.02	.03	-.04
H.S. GPA	.03	.08	.02
Nursing	-.27	.56	-.02
Age	.01	.02	.12
Yrs. Since h.S.	-.01	.02	-.10
English	-.24	.58	-.02
Early Childhood Education	-.04	.14	-.01
Summer Qtr.	.03	.17	.02
Undeclared	.03	.30	.006
Constant	2.11		
R ²	.42		
Standard Error of Estimate	.54		
N	308		

MUS 108
Mean Grade = 3.52 S.D. = .80

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	-1.27	.25	-.73
74	-.75	.25	-.40
73	-.37	.24	-.15
72	-.34	.23	-.16
71	-.17	.22	-.07
GPA	.27	.12	.16
Summer Qtr.	-.29	.09	-.17
Age	-.02	.04	-.09
Undeclared	-.56	.33	-.08
SAT-Verbal	.0009	.0008	.08
Missing Data-Math	.07	.10	.04
Biology	.99	.50	.09
Missing Data-Age	.30	.34	.06
Music	.15	.12	.09
History	.39	.27	.07
Veteran	.12	.12	.06
Missing Data-H.S. Yr.	.23	.17	.09
Transfer GPA	.01	.06	.02
Hours Attempted	.002	.002	.12
Spring Qtr.	-.11	.15	-.03
Elementary Education	-.11	.19	-.03
Female	.11	.09	.06
Journalism	.42	.50	.04
Studio	-.09	.35	-.01
Yrs. Since H.S.	-.02	.04	-.07
Management	.35	.38	.04
Nursing	.33	.44	.04
Hours Transferred	.002	.003	.10
Secondary Education	.23	.32	.04
Psychology	.17	.76	.04
Accounting	.15	.33	.02
SAT-Math	.0003	.0008	.02
Class Standing	-.04	.11	-.04
English	-.06	.24	-.01
Marketing	-.10	.41	-.01
Economics	.10	.48	.01
Minority	-.04	.19	-.01
H.S. GPA	-.02	.14	-.009
Early Childhood Education	-.04	.27	-.007
Math	.08	.70	.005
Winter Qtr.	.01	.09	.005
Constant	3.18		
R ²	.40		
Standard Error of Estimate	.66		
N	390		

NURS 102
Mean Grade = 3.48 S.D. = .74

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	-.39	.25	-.26
74	-.18	.25	-.10
72	.41	.25	.08
Missing Data-H.S. GPA	-.52	.30	-.24
Undeclared	-1.52	.93	-.18
GPA	.30	.15	.24
SAT-Math	-.0001	.001	-.12
Missing Data-Age	1.08	.49	.28
Psychology	-.83	.75	-.17
Missing Data-Math	-.21	.21	-.14
Veteran	.24	.20	.16
Nursing	-.26	.54	-.08
H.S. GPA	.16	.24	.07
SAT-Verbal	-.0007	.001	-.06
Fall Qtr.	-.60	.75	-.07
Hours Transferred	-.004	.003	-.24
Transfer GPA	.06	.09	.11
Class Standing	.22	.23	.15
Hours Attempted	-.003	.004	-.14
Female	-.13	.42	-.04
Minority	.05	.20	.03
Age	-.01	.04	-.08
Yrs. Since H.S.	.01	.04	.06
English	.24	1.03	.03
Missing Data-H.S. GPA	-.04	.27	-.03
Constant	3.89		
R^2	.26		
Standard Error of Estimate	.71		
N	128		

LSM 436
Mean Grade = 3.45 S.D. = .94

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>S</u>
Year of Course: 75	.54	.21	.28
73	-.09	.56	-.01
GPA	.94	.17	.62
Journalism	-4.48	.82	-.51
History	-3.37	.84	-.39
SAT-Verbal	-.003	.001	-.19
Female	-.23	.29	-.08
Fall Qtr.	-.93	.27	-.34
Elementary Education	-.72	.42	-.33
Early Childhood Education	-1.01	.50	-.25
Spring Qtr.	-.31	.21	-.16
Class Standing	.20	.36	.07
SAT-Math	-.003	.000	-.17
Transfer GPA	-.009	.11	-.01
Missing Data-Math	.27	.24	.14
Yrs. Since H.S.	-.02	.03	-.17
Summer Qtr.	.11	.24	.05
Missing Data-H.S. GPA	-.24	.27	-.11
Special Education	-.39	.56	-.08
Minority	.23	.27	.11
Studio	.49	.86	.06
Hours Attempted	.004	.005	.18
Hours Transferred	.003	.006	.13
Age	.01	.03	.09
Secondary Education	-.11	.49	-.02
H.S. GPA	-.05	.26	-.02
Undeclared	-.11	.65	-.02
Veteran	.03	.18	.01
Constant	2.41		
R ²	.70		
Standard Error of Estimate	.62		
N	87		

FED 101
Mean Grade = 3.38 S.D. = .83

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 74	.17	.93	.09
73	-.12	.89	-.06
72	-1.45	1.00	-.37
71	-.45	.88	-.27
Business Education	-.55	.57	-.13
Class Standing	.42	.27	.36
Female	.52	.21	.29
Studio	-.49	.38	-.13
Veteran	-.55	.28	-.28
Fall Qtr.	-.30	.25	-.13
Hours Transferred	-.01	.007	-.36
Minority	-.68	.38	-.26
Missing Data-H.S. Yr.	.55	.43	.19
Missing Data-Age	-1.06	.89	-.16
H.S. GPA	-.21	.23	-.11
Undeclared	-.49	.44	-.11
Accounting	.11	.46	.03
Sociology	-.53	.45	-.11
Nursing	-.15	.47	-.04
Transfer GPA	.20	.15	.24
Secondary Education	.37	.53	.07
History	-.19	.55	-.03
Hours Attempted	-.002	.004	-.11
SAT-Verbal	-.001	.002	-.15
Marketing	-.30	.44	-.08
Psychology	.21	.45	.05
Missing Data-H.S. GPA	-.34	.38	-.20
Missing Data-Verbal	.29	.34	.16
Political Science	.34	.61	.05
Elementary Education	-.15	.36	-.04
Management	-.16	.42	-.04
Journalism	-.11	.44	-.03
Music	-.08	.44	-.02
Summer Qtr.	.12	.29	.07
Anthropology	-.13	.60	-.02
Math	.09	.54	.02
Early Childhood Education	-.14	.65	-.02
EAT-Math	.0004	.002	.04
English	.16	.49	.04
Special Education	.09	.31	.03
Yrs. Since H.S.	.08	.14	.18
Age	-.06	.13	-.16
Medical Technology	-.21	.84	-.02
Criminal Justice	.07	.44	.02
GPA	.03	.21	.02
Constant	5.37		
R ²	.45		
Standard Error of Estimate	.77		
N	128		

FED 310
Mean Grade = 3.37 S.D. = .82

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>β</u>
Year of Course: 75	-.15	.06	-.08
73	.13	.07	.06
72	.01	.09	.004
71	.43	.12	.12
GPA	.60	.05	.42
Transfer GPA	-.02	.02	-.04
Summer Qtr.	-.11	.06	-.06
Psychology	.31	.11	.09
Political Science	.60	.25	.07
Secondary Education	.21	.10	.07
Biology	.52	.25	.06
Missing Data-Age	.27	.14	.07
Hours	.0004	.001	.02
Age	.02	.009	.13
Female	.10	.06	.06
Spring Qtr.	.14	.08	.06
Social Welfare	.37	.24	.04
Anthropology	.37	.29	.04
English	.17	.13	.04
Missing Data-H.S. GPA	-.05	.08	-.02
SAT-Verbal	-.0006	.0004	-.05
Special Education	.07	.09	.03
Yrs. Since H.S.	-.01	.009	-.07
Missing Data-Years H.S.	-.11	.09	-.04
Hours Transferred	-.001	.001	-.05
Management	-.28	.29	-.03
Business Education	.10	.13	.03
Marketing	.30	.37	.02
Sociology	-.12	.17	-.02
SAT-Math	.0004	.0005	.03
Journalism	-.15	.26	-.02
Studio	-.09	.18	-.02
Economics	-.32	.53	-.02
Criminal Justice	.16	.25	.02
Veteran	-.04	.06	-.02
History	.09	.16	.02
H.S. GPA	.03	.05	.02
Nursing	.06	.12	.02
Fall Qtr.	.03	.06	.02
Minority	-.03	.07	-.01
Undeclared	-.04	.15	-.008
Music	-.09	.25	-.01
Missing Data-Verbal	-.02	.06	-.01
Early Childhood Education	.05	.15	.01
Class Standing	.02	.07	.01
Math	.04	.17	.007
General Studies	.08	.43	.005
Elementary Education	.009	.09	
Constant	1.13		
R^2	.24		
Standard Error of Estimate	.73		
N	1053		

UL 494
Mean Grade = 3.37 S.D. = .76

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>B</u>
Year of Course: 75	.56	.71	.35
74	.41	.71	.24
73	.31	.73	.07
72	-.05	.76	-.01
71	-.003	.77	-.0005
GPA	.75	.10	.48
Minority	.20	.11	.11
Winter Qtr.	-.27	.11	-.14
Undeclared	.36	.18	.13
Female	.10	.10	.06
Hours Transferred	-.0006	.0002	-.04
SAT-Math	-.001	.0008	-.10
Social Welfare	.18	.13	.09
Criminal Justice	.11	.09	.07
Missing Data-H.S. GPA	.16	.18	.07
Accounting	-.68	.69	-.05
Marketing	.67	.75	.05
History	-.47	.51	-.05
Missing Data-Age	-.04	.23	-.01
Class Standing	-.20	.16	-.10
Hours Attempted	.002	.002	.13
Missing Data-Verbal	-.08	.11	-.05
Fall Qtr.	-.09	.12	-.05
Age	.009	.009	.07
Yrs. Since H.S.	-.006	.009	-.05
Missing Data-H.S. Yr.	-.08	.16	-.04
Spring Qtr.	-.03	.11	-.02
Psychology	.17	.70	.01
Transfer GPA	.01	.04	.02
H.S. GPA	.04	.20	.01
SAT-Verbal	.0001	.0008	.009
Constant	1.29		
R ²	.31		
Standard Error of Estimate	.67		
N	304		

PSY 358
Mean Grade = 3.36 S.D. = .84

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	-.05	.32	-.03
74	-.27	.32	-.15
73	-.32	.32	-.14
72	-.16	.32	-.06
71	-.33	.33	-.08
GPA	.60	.05	.43
Psychology	.25	.08	.13
Hours Attempted	.002	.001	.10
Spring Qtr.	-.11	.08	-.05
Missing Data-H.S. Yr.	.15	.09	.06
Missing Data-H.S. GPA	-.04	.09	-.02
Business Education	-.75	.44	-.05
Management	-.13	.15	-.03
Real Estate	-.35	.29	-.03
Missing Data-Verbal	-.14	.06	-.08
Anthropology	.41	.26	.04
Female	.10	.06	.06
Elementary Education	-.20	.20	-.03
Age	.02	.008	.11
Yrs. Since H.S.	-.01	.007	-.09
H.S. GPA	-.05	.05	-.03
Criminal Justice	.14	.10	.05
Undeclared	.15	.11	.04
Marketing	.41	.32	.04
English	.20	.17	.04
Economics	.33	.29	.03
Finance	.39	.38	.03
Medical Technology	.33	.31	.03
Transfer GPA	-.02	.03	-.04
Nursing	.08	.11	.03
Biology	.12	.18	.02
Math	.25	.34	.02
Missing Data-Age	-.16	.15	-.04
Minority	.07	.08	.03
Special Education	-.11	.16	-.02
Summer Qtr.	-.03	.06	-.02
Political Science	.08	.22	.01
Journalism	.07	.20	.01
SAT-Verbal	-.0002	.0004	-.02
General Studies	-.10	.30	-.01
Music	.21	.76	.008
Accounting	.04	.19	.006
Veteran	-.01	.05	-.008
Class Standing	-.01	.06	-.01
Social Welfare	-.03	.12	-.009
Sociology	-.03	.12	-.009
Early Childhood Education	-.05	.23	-.006
Secondary Education	-.03	.15	-.006
Fall Qtr.	.01	.06	.006
Hours Transferred	.0002	.001	.009
SAT-Math	.00005	.0004	.004
Constant	1.59		
R ²	.25		
Standard Error of Estimate	.74		
N	1059		

B.Ed. 450
Mean Grade = 3.34 S.D. = .80

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>S</u>
Year of Course: 74	.0008	.09	.0005
73	.11	.19	.03
72	.29	.25	.06
71	-.72	.49	-.06
GPA	.72	.08	.46
Hours Attempted	.004	.001	.24
Fall Qtr.	-.35	.10	-.20
Summer Qtr.	-.21	.10	-.12
Accounting	.45	.15	.23
Hours Transferred	.002	.001	.11
Missing Data-H.S. Yrs.	.32	.19	.11
Real Estate	-.15	.27	-.03
Missing Data-Math	-.11	.10	-.07
Yrs. Since H.S.	.01	.03	.08
Secondary Education	-.48	.61	-.04
Business Education	.35	.18	.13
Political Science	-.66	.69	-.04
Marketing	.30	.16	.13
Finance	.36	.23	.08
Management	.23	.15	.13
Undeclared	.17	.17	.07
English	.36	.37	.05
SAT-Verbal	-.0008	.0007	-.06
SAT-Math	.0005	.0007	.04
Minority	-.10	.12	-.04
Transfer GPA	.03	.04	.05
Missing Data-H.S. GPA	-.07	.13	-.04
Elementary Education	.29	.70	.02
Missing Data-Age	.11	.27	.02
Female	.04	.10	.02
Studio	-.19	.74	-.01
H.S. GPA	-.02	.11	-.01
Veteran	-.01	.08	-.009
History	.08	.51	.007
Spring Qtr.	.02	.008	.12
Age	.003	.03	.02
Constant	.72		
R^2	.37		
Standard Error of Estimate	.67		
N	390		

UL 333
Mean Grade = 3.34 S.D. = .77

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 74	-.33	.16	-.02
73	-2.02	.62	-.26
72	-.85	.35	-.24
71	-1.56	.60	-.20
GPA	.64	.15	.43
Elementary Education	-1.64	.46	-.29
Winter Qtr.	-.37	.18	-.22
Sociology	-1.20	.57	-.22
Social Welfare	.19	.23	.12
Missing Data-Verbal	.97	.61	.62
Biology	1.04	.64	.13
Missing Data-Math	-.65	.60	-.41
Undeclared	-.22	.30	-.08
Psychology	-.23	.30	-.07
Summer Qtr.	.19	.16	.12
SAT-Math	-.002	.001	-.21
H.S. GPA	-.99	.62	-.27
SAT-Verbal	.002	.001	.14
Management	.76	.49	.14
Class Standing	-.49	.19	-.41
Hours Transferred	.008	.003	.44
Hours Attempted	.008	.003	.44
Criminal Justice	.25	.24	.15
Minority	.17	.16	.10
Missing Data-Age	-.33	.37	-.11
Missing Data-H.S. GPA	.38	.45	.15
Yrs. Since H.S.	.02	.03	.16
Female	.14	.18	.09
Special Education	-.27	.55	-.05
Journalism	-.22	.70	-.03
Transfer GPA	.02	.08	.04
Veteran	-.04	.13	-.03
Nursing	.16	.63	.02
Age	-.01	.03	-.09
Missing Data-H.S. Yr.	.10	.30	.04
Constant	5.24		
R ²	.66		
Standard Error of Estimate	.55		
N	104		

MH 102
Mean Grade = 3.24 S.D. = .70

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>B</u>
Year of Course: 75	.10	.14	.07
73	.07	.20	.04
72	-.82	.36	-.42
71	-.83	.53	-.21
GPA	.51	.14	.41
Class Standing	.29	.10	.35
Missing Data-H.S. Yr.	1.07	.30	.34
H.S. GPA	.50	.21	.21
English	1.05	.57	.16
Yrs. Since H.S.	.01	.008	.19
Social Welfare	.82	.58	.12
Psychology	1.06	.52	.22
SAT-Verbal	-.002	.001	-.23
SAT-Math	.002	.001	.16
Sociology	1.03	.53	.21
Missing Data-Verbal	.10	.16	.07
Summer Qtr.	-.26	.28	-.09
Criminal Justice	.39	.50	.08
Math	.77	.68	.11
Spring Qtr.	-.41	.59	-.08
Nursing	-.18	.33	-.05
Missing Data-H.S. GPA	-.02	.21	-.02
Secondary Education	.37	.57	.05
Missing Data-Age	.17	.54	.03
Veteran	-.09	.17	-.04
Anthropology	.26	.54	.04
Age	-.004	.01	-.05
Minority	-.04	.18	-.02
Hours Attempted	-.0006	.002	-.03
Transfer GPA	-.02	.06	-.03
Fall Qtr.	-.02	.14	-.01
Constant	-.07		
R^2	.69		
Standard Error of Estimate	.47		
N	95		

NURS 112
Mean Grade = 3.23 S.D. = .69

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	.37	.15	.27
74	.48	.14	.31
73	-.06	.14	-.03
71	-.63	.21	-.17
GPA	.63	.06	.56
H.S. GPA	-.31	.12	-.13
SAT-Verbal	.002	.0006	.17
Social Welfare	1.25	.52	.12
Fall Qtr.	.33	.18	.10
Missing Data-Age	-.30	.20	-.09
Missing Data-H.S. Yr.	.19	.11	.10
Class Standing	.21	.09	.24
Hours Transferred	-.003	.002	-.19
Psychology	.41	.28	.07
Undeclared	.70	.47	.07
Hours Attempted	-.002	.002	-.15
SAT-Math	-.0004	.0006	-.05
Business Education	-.34	.47	-.03
Missing Data-Verbal	-.08	.09	-.06
Minority	.02	.09	.03
Biology	.22	.48	.02
Missing Data-H.S. GPA	.10	.12	.07
Transferred GPA	-.03	.04	-.06
Veteran	.03	.08	.02
Age	-.006	.02	-.04
English	-.13	.48	-.01
Yrs. Since H.S.	-.003	.02	-.02
Constant	1.01		
R ²	.60		
Standard Error of Estimate	.46		
N	235		

PED 345
Mean Grade = 3.22 S.D. = .93

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>B</u>
Year of Course: 73	.13	.11	.07
72	.23	.16	.09
71	.07	.26	.01
GPA	.98	.11	.63
Spring Qtr.	-.38	.12	-.17
Hours Attempted	.0005	.002	.02
English	-.42	.59	-.04
Journalism	1.60	.59	.15
Anthropology	-.62	.80	-.04
Accounting	1.67	.80	.11
Fall Qtr.	.15	.12	.07
H.S. GPA	-.17	.18	-.05
Special Education	.68	.29	.31
General Studies	.96	.60	.09
Criminal Justice	-.53	.80	-.03
Yrs. Since H.S.	-.01	.80	-.09
Secondary Education	.11	.52	.01
Minority	-.07	.15	-.03
Studio	1.20	.79	.08
Female	-.15	.16	-.06
Missing Data-H.S. GPA	-.10	.18	-.04
Nursing	.26	.60	.02
Undeclared	.70	.44	.10
Age	.005	.02	.04
Class Standing	.19	.15	.11
Hours Transferred	-.002	.003	-.09
SAT-Verbal	.0006	.0009	.04
SAT-Math	-.0007	.001	-.05
Missing Data-Verbal	.04	.13	.02
Early Childhood Education	.57	.29	.24
Elementary Education	.57	.28	.30
Management	.60	.51	.07
Sociology	.48	.39	.08
Psychology	.60	.60	.06
History	.41	.51	.05
Finance	.48	.80	.03
Transfer GPA	.02	.05	.04
Veteran	-.08	.13	-.04
Missing Data-Age	-.21	.30	-.05
Missing Data-H.S. Yr.	.11	.21	.04
Constant	-.10		
R^2	.48		
Standard Error of Estimate	.72		
N	272		

FED 305
Mean Grade = 3.19 S.D. = .77

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	.21	.08	.13
74	.28	.08	.17
72	.13	.10	.05
71	.47	.14	.14
GPA	.70	.06	.53
SAT-Math	.0009	.0005	.08
Elementary Education	-.12	.09	-.07
Missing Data-Math	.13	.07	.09
History	.87	.34	.09
Fall Qtr.	-.12	.07	-.06
Transfer GPA	-.02	.03	-.04
English	.34	.21	.06
General Studies	.67	.48	.05
Criminal Justice	-.32	.31	-.03
Music	-.20	.19	-.04
Sociology	-.29	.28	-.04
Veteran	.07	.06	.04
Math	.35	.31	.04
Biology	.52	.47	.04
Class Standing	-.13	.07	-.13
Hours Attempted	.002	.001	.11
Age	.002	.008	.02
Hours Transferred	.001	.001	.06
Secondary Education	-.07	.16	-.02
Management	.22	.28	.03
Social Welfare	.13	.16	.03
Special Education	.05	.09	.02
Journalism	.24	.39	.02
Minority	.03	.08	.02
Early Childhood Education	.13	.22	.02
Marketing	.29	.47	.02
H.S. GPA	.04	.07	.02
Business Education	.14	.26	.02
Female	.05	.07	.02
Economics	-.32	.67	-.02
Finance	.29	.67	.01
Missing Data-H.S. GPA	-.04	.09	-.02
Psychology	.06	.18	.01
Medical Technology	-.29	.67	-.01
Political Science	.09	.34	.009
Anthropology	.19	.67	.009
Summer Qtr.	-.01	.06	-.009
Yrs. Since H.S.	.002	.007	.02
Studio	-.13	.50	-.009
Accounting	-.06	.26	-.008
Undeclared	-.04	.16	.01
Missing Data-H.S. Yr.	.02	.10	.009
SAT-Verbal	-.00008	.0005	-.007
Nursing	-.02	.10	-.007
Constant	.51		
R ²	.34		
Standard Error of Estimate	.65		
N	689		

MGT 444
Mean Grade = 3.18

S.D. = .77

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>B</u>
Year of Course: 75	.45	.10	.29
74	.24	.10	.15
72	.10	.24	.02
71	.08	.30	.01
GPA	.74	.07	.49
Age	.03	.009	.19
Hours Attempted	.003	.001	.21
Summer Qtr.	.12	.09	.08
Marketing	-.31	.18	-.07
Yrs. Since H.S.	-.01	.008	-.10
Real Estate	.65	.48	.05
Accounting	-.28	.22	-.05
Minority	.13	.11	.05
General Studies	-.80	.67	-.05
Spring Qtr.	-.08	.10	-.04
Missing Data-H.S. GPA	-.17	.13	-.06
Class Standing	-.17	.10	-.11
Hours Transferred	.002	.002	.11
History	-.43	.66	-.03
Transfer GPA	-.02	.03	.04
Missing Data-Math	.67	.66	.43
Missing Data-Verbal	-.62	.66	-.40
SAT-Math	-.0003	.0007	-.02
Political Science	-.33	.66	-.02
Missing Data-H.S. Yr.	-.05	.12	-.02
Female	-.05	.11	-.02
Math	.32	.69	.02
Management	.03	.08	.02
Finance	.15	.39	.02
H.S. GPA	.02	.09	.01
Winter Qtr.	.02	.09	.01
Economics	-.08	.39	-.008
Business Education	.09	.68	.005
Criminal Justice	-.04	.31	-.005
Veteran	.007	.06	.006
SAT-Verbal	-.00007	.0007	-.005
Constant	.53		
R ²	.33		
Standard Error of Estimate	.65		
N	500		

HA 401
Mean Grade = 3.17 S.D. = .81

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>S</u>
Year of Course: 75	1.58	.59	.87
74	.63	.55	.39
73	.08	.56	.03
72	.12	.59	.02
71	1.83	.67	.39
GPA	.83	.13	.64
Marketing	-2.41	.61	-.51
Female	-.94	.24	-.42
Biology	-1.85	.58	-.28
Hours Attempted	.002	.005	.12
Transfer GPA	.10	.09	.15
H.S. GPA	-.20	.10	-.18
Accounting	-.39	.32	-.10
Class Standing	.36	.30	.41
SAT-Verbal	.002	.002	.13
Missing Data-H.S. Yr.	.33	.33	.12
Management	.74	.71	.11
Age	-.02	.03	-.09
Undeclared	.16	.19	.10
Veteran	.20	.22	.11
Hours Transferred	-.002	.004	-.14
Spring Qtr.	-.14	.25	-.05
Minority	.12	.28	.05
Missing Data-Math	-.08	.20	-.04
Yrs. Since H.S.	.01	.03	.04
Missing Data-Age	-.08	.29	-.03
SAT-Math	.0003	.003	.02
Constant	-1.54		
R ²	.80		
Standard Error of Estimate	.47		
N	66		

HPRS 345
Mean Grade = 3.16 S.D. = .80

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>β</u>
Year of Course: 74	.32	.15	.16
GPA	.82	.09	.58
Hours Transferred	-.005	.002	-.24
Winter Qtr.	-.22	.14	-.11
Female	.55	.16	.20
Missing Data-H.S. Yr.	.36	.19	.13
Age	-.01	.008	-.08
H.S. GPA	-.41	.18	-.13
SAT-Verbal	.001	.0006	.11
Transfer GPA	.06	.05	.10
Undeclared	.28	.90	.02
Fall Qtr.	.20	.15	.11
Special Education	1.07	.67	.63
Missing Data-Age	-.41	.29	-.10
Veteran	-.19	.15	-.09
History	1.80	.93	.14
Spring Qtr.	.08	.15	.04
Minority	-.09	.12	-.04
Early Childhood Education	1.25	.67	.65
Elementary Education	1.19	.67	.74
Secondary Education	1.41	.84	.16
Nursing	1.45	.92	.12
Accounting	1.11	.91	.09
English	.95	.80	.11
Missing Data-Math	-.06	.12	-.04
Missing Data-H.S. GPA	.05	.15	.03
Class Standing	-.02	.09	-.01
Constant	.47		
R^2	.49		
Standard Error of Estimate	.61		
N	245		

SPE 401
Mean Grade = 3.15 S.D. = .77

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>B</u>
Year of Course: 74	.22	.11	.13
73	-.005	.13	-.002
72	-.34	.27	-.08
71	-.55	.45	-.08
GPA	.84	.10	.60
Fall Qtr.	-.35	.11	-.20
Hours Transferred	-.003	.002	-.16
Spring Qtr.	.63	.14	.29
Accounting	2.42	.77	.21
Psychology	.69	.31	.16
Missing Data-H.S. Yr.	.52	.19	.17
SAT-Verbal	.001	.0007	.10
Class Standing	-.16	.14	-.11
Secondary Education	.38	.39	.06
Summer Qtr.	.18	.11	.11
Early Childhood Education	-.12	.27	-.04
Elementary Education	-.03	.25	-.01
Undeclared	.44	.38	.07
Missing Data-Age	-.23	.28	-.05
Social Welfare	.51	.50	.06
Hours Attempted	.002	.002	.09
Transfer GPA	.06	.04	.11
Missing Data-H.S. GPA	-.17	.13	-.10
Missing Data-Math	.11	.11	.07
Business Education	.50	.64	.04
History	.50	.64	.04
English	.45	.68	.04
Minority	.06	.13	.03
H.S. GPA	.04	.09	.02
Special Education	.12	.22	.07
SAT-Math	.0001	.0008	.01
Nursing	.20	.70	.02
Age	-.004	.02	-.03
Female	-.05	.15	-.02
Veteran	.02	.13	.01
Yrs. Since H.S.	.002	.02	.02
Constant	.32		
R ²	.54		
Standard Error of Estimate	.57		
N	231		

DS 092
Mean Grade = 3.11 S.D. = .92

<u>Regressors</u>	<u>Estimator</u>	<u>Standard Error of Estimator</u>	<u>B</u>
Year of Course: 74	-.42	.69	-.22
Missing Data-H.S. Year	-1.25	1.02	-.38
SAT-Math	.006	.002	.55
Studio	-1.05	.52	-.26
Female	.42	.37	.23
Missing Data-H.S. GPA	-.93	.84	-.50
Political Science	-.25	.85	-.05
GPA	.15	.28	.10
Elementary Education	.13	1.03	.02
Real Estate	1.25	.92	.16
H.S. GPA	.68	.45	.37
General Studies	1.37	.70	.24
Journalism	1.10	.51	.40
Minority	-.42	.35	-.22
Undeclared	.78	.41	.33
Psychology	.75	.55	.22
Criminal Justice	.67	.55	.18
Economics	.49	.69	.09
Missing Data-Math	.24	.82	.12
Missing Data-Age	.17	.75	.04
Anthropology	.16	1.24	.02
Social Welfare	.60	1.05	.08
Business Education	.78	.91	.10
Class Standing	.35	.43	.24
Secondary Education	.38	.88	.05
Math	.70	.97	.09
SAT-Verbal	.0004	.002	.04
Veteran	-.15	.49	-.08
Management	-.17	.57	-.05
Spring Qtr.	.27	.89	.05
Hours Attempted	-.02	.03	-.14
Hours Transferred	-.02	.02	-.36
Transfer GPA	.13	.35	.12
Music	.34	.58	.09
Accounting	.48	.75	.12
English	.52	1.05	.07
Yrs. Since H.S.	.10	.16	.55
Age	-.08	.15	-.48
Fall Qtr.	.12	.72	.06
Early Childhood Education	.15	.97	.02
Constant	.42		
R^2	.67		
Standard Error of Estimate	.78		
N	74		

MUS 393
Mean Grade = 3.10 S.D. = .95

<u>Regressors</u>	<u>Estimator</u>	<u>Standard Error of Estimator</u>	<u>β</u>
Year of Course: 75	-.19	.29	-.10
74	-.12	.29	-.06
73	-.23	.29	-.09
72	-.22	.30	-.06
71	-.21	.30	-.04
GPA	.85	.04	.54
Hours Transferred	-.001	.0008	-.05
Special Education	-.33	.14	-.06
Missing Data-H.S. Yr.	-.24	.08	-.09
Biology	.34	.10	.09
Missing Data-Age	.43	.15	.08
Age	.01	.009	.08
Female	.12	.05	.06
Hours Attempted	.001	.0006	.07
Studio	-.07	.09	-.02
Music	1.16	.56	.05
Early Childhood Education	-.25	.18	-.03
Business Education	.40	.19	.05
Undeclared	.25	.12	.05
History	.25	.12	.05
Missing Data-H.S. GPA	-.15	.08	-.07
Math	.28	.14	.05
Spring Qtr.	-.05	.07	-.02
Secondary Education	.21	.15	.03
Accounting	.29	.19	.04
H.S. GPA	.06	.05	.03
Minority	-.10	.08	-.03
Criminal Justice	.33	.29	.03
SAT-Math	-.0004	.0004	-.03
Elementary Education	-.09	.13	-.02
Veteran	.05	.05	.03
Missing Data-Math	.08	.07	.04
Marketing	.24	.23	.03
Journalism	.10	.10	.02
Management	.15	.18	.02
Economics	.12	.15	.02
Finance	.23	.36	.02
Medical Technology	.14	.23	.01
Winter Qtr.	.04	.06	.02
Yrs. Since H.S.	-.004	.01	-.02
Political Science	-.03	.11	-.006
Anthropology	-.04	.17	-.005
SAT-Verbal	.0001	.0004	.009
Sociology	.04	.12	.009
Psychology	.03	.09	.01
Nursing	.03	.12	.007
Summer Qtr.	.01	.06	.007
Social Welfare	.09	.46	.005
General Studies	-.04	.29	-.004
Transfer GPA	.003	.03	.005
Real Estate	.04	.36	.003
Constant	.31		
R^2	.34		
Standard Error of Estimate	.78		
N	1294		

RUS 101
Mean Grade = 3.08

S.D. = 1.01

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>B</u>
Year of Course: 75	.10	.28	.04
74	.26	.26	.12
73	-.02	.26	-.007
71	-.33	.39	-.07
GPA	.84	.14	.53
Secondary Education	-2.70	.81	-.24
Female	.55	.18	.25
Undeclared	1.08	.27	.34
Biology	.81	.29	.22
Minority	.59	.50	.11
Hours Transferred	-.007	.004	.26
Economics	-.15	.33	-.03
Elementary Education	-1.39	.78	-.12
Accounting	1.59	.77	.14
Finance	1.67	.72	.15
Class Standing	.31	.19	.25
Fall Qtr.	.21	.14	.10
Studio	1.02	.72	.09
SAT-Verbal	-.001	.001	-.10
Music	-.39	.54	-.05
Missing Data-H.S. Yr.	-.25	.27	-.08
H.S. GPA	.17	.11	.11
Political Science	.54	.28	.16
Psychology	.67	.35	.15
Management	1.59	.82	.14
SAT-Math	.002	.001	.11
English	.49	.27	.15
Criminal Justice	.53	.54	.07
Math	.91	.74	.08
General Studies	1.10	.68	.14
Yrs. Since H.S.	-.08	.06	-.27
History	.49	.31	.13
Journalism	.39	.27	.12
Age	.05	.05	.20
Special Education	.60	.73	.05
Medical Technology	.62	.78	.05
Sociology	.57	.53	.09
Hours Attempted	-.003	.003	-.14
Transfer GPA	-.07	.09	-.10
Veteran	-.12	.16	-.06
Anthropology	.15	.38	.03
Missing Data-Age	-.16	.50	-.03
Missing Data-Math	-.24	.77	-.12
Missing Data-Verbal	.24	.81	.11
Constant	-1.74		
R ²			
Standard Error of Estimate	.72		
N	.66		
	128		

NURS 101
Mean Grade = 3.07 S.D. = .79

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>B</u>
Year of Course: 75	.05	.54	.03
74	-.20	.53	-.12
73	-.44	.54	-.20
72	-.58	.54	-.28
71	-.69	.57	-.16
GPA	.87	.07	.70
Missing Data-H.S. Yr.	.24	.12	.11
Fall Qtr.	-.16	.08	-.09
Management	-1.02	.53	-.08
Social Welfare	1.35	.57	.11
Minority	.18	.09	.09
Missing Data-Math	-.21	.09	-.13
Biology	-.73	.53	-.06
Business Education	.71	.52	.06
Missing Data-H.S. GPA	.25	.13	.15
Transfer GPA	-.05	.04	-.09
Undeclared	.47	.39	.05
SAT-Math	-.001	.0007	-.09
SAT-Verbal	.0009	.0007	.08
Criminal Justice	.50	.52	.04
H.S. GPA	.08	.12	.03
Hrs. Transferred	-.001	.002	-.06
Missing Data-Age	-.19	.22	-.05
Veteran	-.10	.09	-.06
Female	.14	.05	.14
Yrs. Since H.S.	.02	.02	.09
Age	-.01	.02	-.07
English	.20	.54	.02
Psychology	-.07	.31	-.009
Class Standing	.02	.09	.03
Hours Attempted	-.0004	.002	-.02
Constant	1.02		
R ²	.63		
Standard Error of Estimate	.51		
N	258		

MGT 401
Mean Grade = 3.06 S.D. = .86

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>β</u>
Year of Course: 74	-.01	.07	-.006
73	-.18	.09	-.07
72	1.00	.20	.17
71	-.14	.19	-.03
GPA	.86	.05	.55
Hours Attempted	.003	.001	.18
Class Standing	.07	.09	.05
English	-1.40	.52	-.09
SAT-Math	-.001	.0005	-.08
Marketing	-.25	.19	-.06
Missing Data-H.S. Yr.	.25	.11	.10
Undeclared	-.12	.15	-.05
Missing Data-H.S. GPA	-.22	.11	-.08
Fall Qtr.	.13	.08	.06
Psychology	-.33	.25	-.05
Sociology	.42	.39	.04
Real Estate	.50	.34	.05
History	-.49	.52	-.03
Hours Transferred	.003	.002	.13
Business Education	-.47	.39	-.04
Female	.14	.10	.05
Minority	-.14	.10	-.05
Transfer GPA	-.03	.03	-.05
Studio	.70	.72	.03
Criminal Justice	-.32	.43	-.03
Accounting	.14	.19	.03
Veteran	-.04	.06	-.03
Journalism	-.28	.43	-.02
Elementary Education	.20	.38	.02
Management	.03	.13	.02
Yrs. Since H.S.	.00	.009	.05
Age	-.007	.01	-.05
H.S. GPA	-.02	.06	-.01
Missing Data-Verbal	.17	.71	.10
Finance	-.05	.23	-.009
Political Science	.17	.75	.008
Missing Data-Math	-.15	.71	-.08
Spring Qtr.	.009	.07	.004
Constant	.97		
R^2	.38		
Standard Error of Estimate	.70		
N	653		

FED 496
Mean Grade = 3.06 S.D. = .81

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	.04	.08	.02
73	-.25	.10	-.12
72	-.07	.13	-.02
71	-.09	.20	-.02
GPA	.73	.08	.49
Hours Attempted	-.0006	.001	-.03
Social Welfare	-.89	.38	-.10
Winter Qtr.	.16	.10	.08
English	.27	.15	.09
Elementary Education	-.10	.14	-.04
Special Education	-.12	.14	-.05
Management	-.92	.72	-.05
Missing Data-Age	.26	.23	.06
Class Standing	.23	.11	.14
Hours Transferred	-.003	.002	-.13
Missing Data-H.S. GPA	.15	.11	.07
Transfer GPA	-.04	.03	-.07
H.S. GPA	-.17	.13	-.06
Music	.30	.23	.06
Psychology	.23	.17	.07
History	.28	.21	.06
Biology	.22	.23	.05
Secondary Education	.10	.13	.05
Nursing	.29	.38	.03
Journalism	.29	.38	.03
Missing Data-H.S. Yr.	-.12	.14	-.05
Business Education	.14	.29	.02
Marketing	-.36	.73	-.02
Female	.04	.08	.02
Accounting	.22	.74	.01
Minority	.05	.12	.02
Age	.005	.01	.04
Math	.03	.23	.005
Spring Qtr.	-.04	.11	-.02
Criminal Justice	-.13	.30	-.02
Yrs. Since H.S.	-.003	.01	-.02
Political Science	-.10	.08	-.02
SAT-Verbal	-.0003	.007	-.02
SAT-Math	.0002	.0008	.02
Early Childhood Education	-.06	.21	-.01
Studio	-.06	.22	-.01
Sociology	-.04	.25	-.007
Summer Qtr.	-.01	.09	-.009
Veteran	.01	.09	.007
Constant	.50		
R^2	.31		
Standard Error of Estimate	.71		
N	475		

UL 361
Mean Grade = 3.05

S.D. = .75

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 74	-.25	.12	-.16
73	-.65	.19	-.28
72	-.009	.26	-.003
GPA	.66	.11	.49
Winter Qtr.	.51	.16	.31
Hours Transferred	.0002	.002	.01
Real Estate	1.55	.63	.16
Sociology	-.45	.37	-.08
Summer Qtr.	.27	.17	.16
Criminal Justice	-.01	.16	-.006
Veteran	-.20	.11	-.16
Hours Attempted	.002	.001	.15
Early Childhood Education	1.40	.62	.14
Journalism	.80	.61	.08
Undeclared	.49	.22	.17
Social Welfare	.30	.15	.19
Missing Data-H.S. Yr.	-.16	.20	-.07
General Studies	1.08	.68	.11
Female	-.12	.12	-.08
Missing Data-Age	-.18	.25	-.06
Psychology	.26	.29	.06
Nursing	.40	.64	.04
Yrs. Since H.S.	.01	.009	.12
Age	-.02	.01	-.11
Special Education	.61	.67	.06
SAT-Verbal	.001	.001	.11
SAT-Math	-.0006	.001	-.06
Minority	.09	.13	.05
Missing Data-Math	-.04	.13	-.03
Marketing	.19	.46	.03
Accounting	.29	.61	.03
Fall Qtr.	-.07	.16	-.04
H.S. GPA	-.03	.09	-.02
Medical Technology	-.12	.63	-.01
Missing Data-H.S. GPA	-.03	.17	-.01
Management	.08	.62	.008
Constant	1.47		
R ²	.54		
Standard Error of Estimate	.57		
N	170		

PSY 314
Mean Grade = 3.04 S.D. = 1.04

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	.39	.26	.18
74	.31	.26	.13
73	.32	.26	.12
72	.27	.27	.08
71	-.10	.27	-.02
GPA	.84	.05	.50
Psychology	.18	.08	.07
Female	.18	.06	.09
Winter Qtr.	.24	.07	.10
Transfer GPA	-.06	.03	-.08
Early Childhood Education	-.76	.23	-.07
Music	-1.54	.61	-.05
Summer Qtr.	.15	.07	.07
Special Education	-.28	.10	-.08
Elementary Education	-.43	.16	-.06
Hours Attempted	.001	.001	.05
Sociology	.12	.13	.02
Marketing	-.51	.24	-.05
English	-.32	.17	-.04
Criminal Justice	-.17	.09	-.06
Social Welfare	-.27	.14	-.05
Secondary Education	-.29	.18	-.04
Real Estate	-.61	.39	-.03
Age	-.005	.009	-.02
SAT-Math	-.0005	.0003	-.04
Finance	-.51	.36	-.03
Management	-.20	.18	-.02
Political Science	.21	.23	.02
Missing Data-Age	.11	.13	.02
Missing Data-H.S. Yr.	-.10	.08	-.03
Biology	.14	.20	.01
Studio	.27	.36	.02
Hours Transferred	.0003	.001	.01
History	-.14	.23	-.01
Anthropology	.13	.23	.01
H.S. GPA	.04	.07	.01
Veteran	-.02	.05	-.01
Elementary Education	.13	.34	.009
Business Education	.23	.62	.008
Yrs. Since H.S.	-.003	.008	-.02
Fall Qtr.	.02	.07	.01
Undeclared	-.04	.11	-.008
Missing Data-Math	-.58	.50	-.28
Missing Data-Verbal	.57	.50	.27
General Studies	.11	.39	.006
Minority	.02	.07	.007
Class Standing	.01	.06	.009
Accounting	.03	.20	.004
Missing Data-H.S. GPA	.02	.08	.007
Math	-.05	.30	-.004
Nursing	-.02	.10	-.004
Constant	.46		
R ²	.34		
Standard Error of Estimate	.86		
N	1540		

NURS 212
Mean Grade = 3.02 S.D. = .74

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	.21	.16	.14
74	.07	.16	.04
72	-.18	.32	-.04
GPA	.88	.10	.70
Missing Data-H.S. GPA	-.45	.18	-.30
Veteran	-.35	.12	-.24
Missing Data-Age	-.96	.32	-.25
Female	.55	.28	.16
Missing Data-Math	.25	.14	.17
H.S. GPA	-.19	.16	-.08
SAT-Verbal	.001	.0009	.09
Transfer GPA	.09	.06	.16
Minority	.10	.13	.05
English	.87	.70	.10
Class Standing	-.25	.15	-.17
Hours Attempted	.004	.003	.19
Hours Transferred	.003	.002	.16
Missing Data-H.S. Yr.	.21	.20	.10
SAT-Math	-.0004	.0008	-.03
Nursing	.23	.36	.07
Psychology	.32	.51	.06
Undeclared	.21	.63	.02
Yrs. Since H.S.	.03	.03	.16
Age	-.02	.02	-.16
Constant	1.47		
R ²	.66		
Standard Error of Estimate	.48		
N	130		

BL 401
Mean Grade = 3.01 S.D. = .90

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>S</u>
Year of Course: 74	-.16	.10	-.08
73	.22	.13	.09
72	-.35	.19	-.09
71	-.26	.23	-.05
GPA	.79	.08	.52
Yrs. Since H.S.	.03	.01	.19
Transfer GPA	-.07	.04	-.12
Criminal Justice	.85	.33	.13
Accounting	.36	.15	.20
Real Estate	.59	.23	.14
SAT-Verbal	.002	.0008	.14
Missing Data-H.S. Yr.	.32	.16	.11
Hours Attempted	.002	.002	.11
Missing Data-Math	-1.10	.47	-.61
Missing Data-Verbal	.90	.47	.50
SAT-Math	-.002	.0008	-.11
General Studies	1.43	.71	.12
Undeclared	.28	.19	.09
Female	-.22	.13	-.09
Finance	.37	.26	.08
Veteran	.09	.08	.05
Winter Qtr.	.07	.11	.04
H.S. GPA	-.14	.13	-.06
Management	.13	.16	.06
Marketing	.10	.19	.03
Minority	.12	.15	.04
Missing Data-H.S. GPA	.14	.18	.05
Class Standing	-.05	.12	-.03
Age	-.007	.02	-.04
Spring Qtr.	-.03	.12	-.01
Economics	-.15	.43	-.02
Political Science	-.11	.33	-.02
English	-.15	.49	-.01
Hrs. Transferred	-.0005	.002	-.02
History	-.08	.38	-.01
Fall Qtr.	.01	.11	.007
Constant	.81		
R ²	.35		
Standard Error of Estimate	.76		
N	381		

MGT 430
Mean Grade = 3.00 S.D. = .84

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>S</u>
Year of Course: 75	.04	.10	.02
74	.10	.10	.06
72	.16	.19	.03
71	.21	.19	.04
GPA	.79	.06	.51
Spring Qtr.	-.30	.09	-.14
Hours Attempted	.003	.001	.18
Yrs. Since H.S.	.01	.008	.11
Secondary Education	-1.93	.74	-.09
SAT-Math	-.001	.0007	-.09
Finance	-.41	.24	-.06
Female	.18	.10	.07
Studio	-.81	.53	-.06
Fall Qtr.	-.12	.08	-.06
Accounting	-.18	.16	-.05
English	-.50	.38	-.05
Hours Transferred	.002	.001	.08
Sociology	.58	.44	.05
Political Science	.73	.53	.05
Missing Data-Math	.08	.08	.04
Economics	.44	.38	.04
Missing Data-Age	-.27	.20	-.06
Business Education	-.21	.32	-.03
Age	-.01	.01	-.07
H.S. GPA	-.07	.10	-.03
Minority	.09	.10	.03
Missing Data-H.S. GPA	.08	.12	.03
Marketing	.13	.18	.03
SAT-Verbal	.0003	.0007	.02
Real Estate	-.08	.44	-.007
Undeclared	.07	.13	.03
Management	.05	.10	.03
Psychology	.08	.23	.01
Criminal Justice	.08	.24	.01
Veteran	-.02	.06	-.01
Summer Qtr.	.02	.08	.009
Journalism	.07	.38	.007
Missing Data-H.S. Yr.	.02	.13	.006
Class Standing	-.01	.10	-.006
Constant	1.23		
R ²	.30		
Standard Error of Estimate	.72		
N	609		

PSY 313
Mean Grade = 2.98 S.D. = 1.08

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	.89	.35	.40
74	.86	.34	.35
73	.67	.35	.24
72	-.05	.36	-.01
71	.44	.35	.12
GPA	1.09	.08	.61
Transfer GPA	-.03	.04	-.04
Summer Qtr.	.22	.12	.10
Special Education	-.39	.23	-.07
Hours Attempted	.004	.002	.20
Elementary Education	-.34	.23	-.06
Studio	1.20	.50	.08
Fall Qtr.	-.18	.13	-.07
Psychology	.24	.13	.11
Biology	.67	.32	.08
Missing Data-H.S. Yr.	.13	.14	.04
History	-.72	.50	-.05
Medical Technology	1.02	.87	.04
Nursing	.32	.22	.06
Political Science	.44	.40	.04
Sociology	.24	.20	.05
Real Estate	.65	.50	.04
Finance	-.54	.61	-.03
Secondary Education	-.32	.34	-.03
SAT-Verbal	.001	.0007	.07
SAT-Math	-.0008	.0007	-.05
Class Standing	-.09	.10	-.07
Journalism	.40	.51	.03
Music	.67	.85	.03
Management	.24	.33	.03
English	.27	.34	.03
Social Welfare	.12	.21	.02
Accounting	.32	.50	.02
General Studies	.29	.44	.02
Female	-.05	.09	-.02
Hours Transferred	.0007	.002	.03
Minority	.08	.12	.03
Missing Data-Age	-.13	.23	-.02
Early Childhood Education	-.07	.24	-.01
Marketing	-.13	.40	-.01
Undeclared	-.06	.21	-.01
H.S. GPA	-.04	.11	-.01
Yrs. Since H.S.	-.02	.02	-.08
Age	.02	.02	.07
Winter Qtr.	.03	.12	.01
Missing Data-Math	.57	.62	.26
Missing Data-Verbal	-.56	.62	-.26
Criminal Justice	-.04	.22	-.006
Anthropology	-.04	.33	-.005
Economics	.07	.62	.004
Math	.03	.33	.004
Constant	-1.44		
R ²	.46		
Standard Error of Estimate	.83		
N	536		

SPCH 150
Mean Grade = 2.98

S.D. = .82

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>S</u>
Year of Course: 75	.33	.17	.20
74	.17	.17	.11
73	-.07	.18	-.03
72	-.36	.19	-.11
GPA	.76	.04	.58
Summer Qtr.	.26	.06	.15
Hours Transferred	-.001	.0009	-.05
Hours Attempted	.002	.0006	.12
Female	.14	.05	.08
Elementary Education	-.28	.09	-.10
Political Science	-.32	.12	-.07
Math	-.46	.18	-.07
Minority	.12	.06	.06
Veteran	.13	.05	.08
Transfer GPA	-.06	.03	-.10
Missing Data-H.S. GPA	.12	.08	.07
Journalism	.09	.10	.02
Biology	.14	.15	.03
History	.12	.17	.02
H.S. GPA	.06	.05	.04
Missing Data-Age	.15	.14	.03
Medical Technology	-.63	.45	-.04
Nursing	-.24	.14	-.05
Psychology	-.18	.13	-.04
Yrs. Since H.S.	.01	.01	.10
Real Estate	-.37	.29	-.03
Early Childhood Education	-.20	.14	-.04
Winter Qtr.	-.06	.06	-.03
Age	-.01	.01	-.07
Secondary Education	.03	.11	.007
Management	.04	.11	.01
General Studies	-.17	.15	-.03
Missing Data-Verbal	-.50	.37	-.29
Missing Data-Math	.45	.37	.26
SAT-Verbal	.0004	.0004	.03
Anthropology	-.30	.37	-.02
Missing Data-H.S. Yr.	.05	.08	.02
Criminal Justice	-.12	.13	-.03
Special Education	-.11	.12	-.03
Studio	-.13	.12	-.02
Music	-.16	.21	-.02
SAT-Math	-.0002	.0004	-.02
Sociology	-.13	.17	-.02
Marketing	-.08	.13	-.02
Undeclared	-.05	.09	-.02
Spring Qtr.	-.03	.07	-.01
English	-.04	.14	-.009
Business Education	-.05	.18	-.008
Social Welfare	-.06	.25	-.006
Finance	-.05	.24	-.006
Constant	.20		
R ²	.45		
Standard Error of Estimate	.62		
N	859		

PED 344
Mean Grade = 2.97 S.D. = .90

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 74	.40	.41	.22
73	-.11	.35	-.06
GPA	.88	.13	.57
Early Childhood Education	-.03	.37	-.01
Spring Qtr.	-.35	.22	-.17
Missing Data-H.S. GPA	-.11	.21	-.05
English	1.67	.83	.14
Fall Qtr.	-.33	.25	-.15
Missing Data-Age	-1.04	.38	-.23
Missing Data-H.S. Yr.	.89	.27	.27
Accounting	-1.18	.71	-.14
SAT-Verbal	.001	.001	.07
Female	.19	.20	.07
Missing Data-Math	-.26	.17	-.14
Class Standing	.38	.19	.23
Journalism	1.11	.78	.09
Undeclared	.80	.58	.12
Secondary Education	.98	.80	.08
Minority	.24	.20	.10
Hours Transferred	-.006	.004	-.25
Hours Attempted	-.004	.003	-.17
Transfer GPA	.03	.07	.05
Anthropology	.57	.63	.07
Special Education	.31	.37	.14
Elementary Education	.25	.36	.14
Criminal Justice	.46	.85	.04
Age	.01	.03	.10
SAT-Math	.0005	.001	.04
Veteran	.06	.16	.03
H.S. GPA	.05	.20	.01
Yrs. Since H.S.	-.007	.03	-.06
Winter Qtr.	-.06	.22	-.03
Sociology	.12	.51	.02
Nursing	.19	.78	.02
Constant	-1.90		
R^2	.56		
Standard Error of Estimate	.67		
N	173		

EC 386
Mean Grade = 2.96 S.D. = .87

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	.59	.37	.34
74	.53	.37	.28
73	.50	.37	.20
72	-.14	.38	-.04
71	-.23	.39	-.06
GPA	.78	.57	.50
Marketing	-.36	.14	-.11
Missing Data-Verbal	.11	.07	.06
SAT-Math	-.002	.0006	-.12
Hours Attempted	.004	.001	.19
SAT-Verbal	.001	.0006	.08
Psychology	-.67	.34	-.07
Female	.14	.10	.05
Spring Qtr.	.10	.08	.04
Secondary Education	1.17	.72	.05
Finance	-.27	.17	-.06
Undeclared	-.16	.13	-.06
Class Standing	-.16	.09	-.10
Hours Transferred	.002	.002	.12
Missing Data-H.S. GPA	-.13	.11	-.05
History	.71	.73	.03
Age	.003	.01	.02
Management	-.04	.11	-.03
Missing Data-H.S. Yr.	.12	.12	.05
Math	.27	.37	.02
Yrs. Since H.S.	.006	.008	.04
Veteran	.03	.06	.02
Criminal Justice	-.21	.43	-.02
Real Estate	-.06	.20	-.01
Studio	.28	.52	.02
H.S. GPA	-.02	.04	-.02
Journalism	.28	.72	.01
Fall Qtr.	-.02	.07	-.01
Economics	.04	.13	.01
Political Science	-.15	.73	-.007
Missing Data-Age	-.03	.17	-.008
Accounting	.02	.13	.006
Constant	.77		
R ²	.38		
Standard Error of Estimate	.71		
N			

Mean Grade = 2.95 S.D. = .84

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>S</u>
Year of Course: 75	.64	.33	.25
74	.28	.26	.16
73	.32	.25	.17
72	.23	.26	.09
GPA	.73	.13	.48
Undeclared	-1.49	.49	-.19
Biology	-1.53	.52	-.19
Social Welfare	-.89	.50	-.11
Hours Attempted	.005	.003	.29
Age	.02	.01	.14
Sociology	.82	.50	.10
Criminal Justice	1.10	.53	.14
Spring Qtr.	-.43	.31	-.10
Hours Transferred	.002	.003	.09
Special Education	-.59	.69	-.05
Missing Data-H.S. Yr.	-.29	.22	-.08
Summer Qtr.	.10	.16	.06
SAT-Math	.0009	.0009	.008
H.S. GPA	-.20	.21	-.06
History	.47	.71	.04
Missing Data-Age	.28	.51	.04
Psychology	.27	.41	.04
Missing Data-Verbal	.32	.75	.19
Transfer GPA	.06	.06	.10
Accounting	-.49	.51	-.06
Missing Data-H.S. GPA	-.10	.19	-.05
Winter Qtr.	-.12	.24	-.04
Veteran	.07	.17	.03
English	-.37	.70	-.03
Secondary Education	-.34	.70	-.03
Nursing	-.13	.24	-.04
Anthropology	.21	.69	.02
Elementary Education	-.21	.69	-.02
Female	.05	.15	.03
Missing Data-Math	-.18	.76	-.11
Math	-.18	.71	-.02
Yrs. Since H.S.	.002	.009	.02
Minority	.04	.16	.02
Class Standing	-.02	.15	-.02
Medical Technology	-.09	.70	-.009
Constant	-.46		
R^2	.55		
Standard Error of Estimate	.64		
N	174		

LAT 101
Mean Grade = 2.91 S.D. = 1.10

<u>Regressors</u>	<u>Estimator:</u>	<u>Standard Error of Estimate</u>	<u>S</u>
Year of Course: 75	1.00	.62	.43
74	.76	.54	.32
73	.49	.60	.15
72	.48	.63	.13
71	.39	.62	.09
GPA	.97	.23	.49
Undeclared	.64	.47	.14
Minority	.88	.77	.23
Secondary Education	-.30	1.25	-.04
Missing Data-Age	-.38	.63	-.09
Sociology	-.81	.60	-.14
Female	.39	.25	.18
Transfer GPA	-.11	.14	-.12
Biology	.42	.41	.11
History	.21	.43	.06
Marketing	1.00	1.04	.09
H.S. GPA	.34	.41	.09
Economics	.48	.70	.07
Psychology	-.35	.46	-.08
Missing Data-H.S. GPA	-.26	.41	-.10
English	-.20	.33	-.07
Accounting	-.29	.77	-.05
Hours Transferred	.006	.006	.21
Music	.77	.93	.09
Hours Attempted	.005	.006	.25
SAT-Math	.001	.002	.07
Class Standing	-.18	.32	-.13
Math	.47	1.07	.04
Special Education	.41	1.26	.04
Missing Data-Verbal	.18	.35	.08
Fall Qtr.	-.20	.37	-.06
Veteran	.06	.22	.03
General Studies	.35	1.13	.03
Elementary Education	.34	1.09	.03
Yrs. Since H.S.	-.01	.06	-.07
Journalism	.13	.52	.03
Age	.008	.07	.05
Missing Data-H.S. Yr.	-.05	.37	-.02
SAT-Verbal	.0003	.002	.02
Constant	-2.74		
R^2	.53		
Standard Error of Estimate	.94		
N	109		

SPAN 202
Mean Grade = 2.90 S.D. = 1.02

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	.24	.28	.12
74	.32	.28	.15
73	.64	.29	.22
72	-.03	.29	-.009
GPA	.89	.10	.50
Female	.33	.11	.16
Hours Transferred	-.0006	.002	-.02
Missing Data-Age	-.90	.37	-.12
Fall Qtr.	.36	.13	.13
Studio	-1.88	.59	-.14
Transfer GPA	-.06	.05	-.08
Marketing	-1.86	.82	-.10
Elementary Education	-.70	.31	-.10
Minority	-.30	.16	-.10
Biology	.40	.39	.05
Economics	.07	.23	.02
Sociology	-.06	.19	-.02
Math	.11	.49	.01
English	-.10	.20	-.03
Missing Data-H.S. GPA	-.21	.17	-.10
H.S. GPA	.11	.16	.03
Missing Data-Math	.12	.15	.06
Accounting	.17	.61	.01
Anthropology	-.41	.24	-.08
Management	-.78	.81	-.04
History	-.33	.21	-.08
Psychology	-.33	.19	-.10
Political Science	-.33	.20	-.09
Journalism	-.24	.16	-.09
General Studies	-.46	.43	-.05
Undeclared	-.25	.27	-.05
SAT-Math	-.0003	.0009	-.02
Nursing	-.38	.59	-.03
Winter Qtr.	-.06	.13	-.02
SAT-Verbal	-.0003	.0009	-.02
Criminal Justice	-.18	.61	-.01
Secondary Education	-.24	.81	-.01
Spring Qtr.	.03	.11	.01
Veteran	-.02	.10	-.01
Age	-.005	.02	-.03
Yrs. Since H.S.	-.004	.02	-.02
Missing Data-H.S. Yr.	.04	.18	.01
Class Standing	.01	.08	.007
Special Education	.07	.58	.005
Constant	.41		
R ²	.50		
Standard Error of Estimate	.78		
N	336		

SPCH 101
Mean Grade = 2.89 S.D. = .88

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>B</u>
Year of Course: 75	.52	.76	.26
74	.51	.75	.25
73	.39	.75	.19
72	.20	.75	.08
71	.17	.76	.05
GPA	.87	.09	.62
Spring Qtr.	.18	.14	.08
Veteran	.11	.11	.07
Accounting	-.78	.39	.10
Special Education	-.35	.16	-.13
Fall Qtr.	-.22	.13	-.11
Early Childhood Education	-.40	.22	-.10
Social Welfare	.55	.39	.07
Criminal Justice	.63	.43	.07
SAT-Verbal	-.0009	.0008	-.07
Political Science	-.28	.25	-.06
Elementary Education	-.21	.21	-.06
Anthropology	-.38	.38	-.05
Management	-.22	.27	-.04
History	.64	.53	.06
Missing Data-H.S. GPA	.22	.17	.12
Hours Transferred	-.0003	.002	-.01
Missing Data-Age	-.34	.31	-.07
Economics	-.38	.35	-.05
Nursing	.48	.45	.05
Biology	.43	.44	.05
Summer Qtr.	-.08	.12	-.04
Studio	-.21	.38	-.03
Female	.10	.11	.06
Finance	-.42	.74	-.03
Psychology	-.08	.22	-.02
Journalism	.15	.18	.04
Secondary Education	.12	.16	.04
Marketing	.15	.30	.03
Class Standing	-.18	.13	-.17
Hours Attempted	.003	.002	.18
Transfer GPA	.03	.06	.04
Missing Data-Math	.18	.44	.02
Sociology	.18	.44	.02
SAT-Math	.0002	.0009	.02
Math	.29	.76	.02
Missing Data-H.S. Yr.	-.05	.17	-.02
Yrs. Since H.S.	-.002	.008	-.01
General Studies	.07	.35	.01
Undeclared	.04	.19	.01
Business Education	.07	.38	.009
Missing Data-Verbal	.13	.77	.07
H.S. GPA	.01	.13	.006
Constant	.39		
R ²	.45		
Standard Error of Estimate	.71		
N	299		

SPAN 201
Mean Grade = 2.87 S.D. = 1.07

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>B</u>
Year of Course: 75	-.23	.17	-.11
74	-.10	.17	-.04
73	.24	.18	.09
71	-.63	.26	-.11
GPA	.97	.09	.52
Economics	-.90	.20	-.20
Winter Qtr.	-.40	.11	-.18
Female	.30	.10	.14
Fall Qtr.	-.38	.14	-.13
Studio	-1.37	.59	-.09
Hours Attempted	-.001	.002	-.06
Management	-1.53	.60	-.10
History	-.55	.22	-.11
SAT-Verbal	.0005	.0008	.03
Special Education	-.74	.38	-.08
Biology	.31	.35	.04
Missing Data- H.S. Yr.	.44	.19	.13
Missing Data- H.S. GPA	-.24	.15	-.11
Missing Data-Age	-.64	.31	-.10
Veteran	-.14	.10	-.07
Sociology	-.39	.19	-.10
Undeclared	-.39	.25	-.07
Journalism	-.30	.15	-.11
Elementary Education	-.55	.29	-.08
Political Science	-.31	.19	-.09
Class Standing	.26	.13	.16
Hours Transferred	-.003	.002	-.11
Marketing	.83	.82	.04
Yrs. Since H.S.	.04	.03	.19
Age	-.03	.03	-.16
Psychology	-.21	.17	.06
English	-.20	.19	-.05
Anthropology	-.22	.24	-.04
Criminal Justice	-.74	.83	.03
Missing Data-Math	.07	.13	.03
Transfer GPA	.02	.05	.03
H.S. GPA	-.05	.10	-.02
SAT-Math	.0006	.0009	.04
General Studies	.14	.36	.02
Nursing	-.24	.59	-.02
Minority	.04	.15	.01
Math	-.12	.58	-.008
Summer Qtr.	.01	.12	.006
Constant	.42		
R ²	.52		
Standard Error of Estimate	.78		
N	388		

MGT 350
Mean Grade = 2.85 S.D. = .88

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>B</u>
Year of Course: 75	.70	.16	.37
74	.59	.16	.32
73	.63	.16	.29
72	.57	.16	.17
71	.20	.17	.04
GPA	.83	.03	.56
Hours Attempted	.002	.0006	.10
Criminal Justice	-.17	.07	-.04
Winter Qtr.	-.22	.04	-.11
Summer Qtr.	-.15	.04	-.08
Business Education	-.22	.11	-.03
Journalism	.50	.15	.05
Special Education	-.92	.42	-.03
Secondary Education	-.47	.36	-.02
Missing Data-Math	.13	.36	.07
Management	.18	.05	.09
Economics	.26	.09	.05
Marketing	.19	.06	.06
Undeclared	.18	.05	.07
Accounting	.14	.05	.06
Finance	.22	.08	.05
Hours Transferred	.001	.0007	.05
Fall Qtr.	-.07	.04	-.04
Missing Data-Age	-.20	.08	-.05
Missing Data-H.S. Yr.	.10	.05	.04
Early Childhood Education	-.75	.51	-.02
Female	.05	.04	.02
H.S. GPA	-.03	.03	-.02
History	.26	.22	.02
Math	.24	.21	.02
Medical Technology	.41	.36	.02
Real Estate	.08	.08	.02
Minority	.05	.04	.02
Transfer GPA	-.01	.01	-.02
Yrs. Since H.S.	.004	.005	.03
English	-.19	.27	-.01
Biology	-.18	.30	-.009
Age	-.002	.005	-.01
Sociology	-.11	.20	-.008
Music	-.33	.72	-.007
SAT-Verbal	.0001	.0003	.01
Anthropology	-.16	.42	-.006
Nursing	-.03	.08	-.006
Missing Data-H.S. GPA	-.02	.05	-.007
Class Standing	.01	.04	.008
SAT-Math	-.00007	.0003	-.005
Social Welfare	-.04	.18	-.004
Missing Data-Verbal	-.08	.36	-.05
Political Science	.03	.18	.003
Psychology	.02	.11	.002
Constant	-.11		
R ²	.35		
Standard Error of Estimate	.72		
N	3070		

A-44

EC 350
Mean Grade = 2.84 S.D. = .87

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	1.31	.35	.75
74	.96	.35	.50
73	.74	.35	.28
72	.83	.36	.21
71	.40	.36	.10
GPA	.78	.05	.53
Fall Qtr.	-.37	.09	-.19
Transfer GPA	-.04	.03	-.07
Biology	-1.23	.50	-.08
Economics	.29	.13	.12
SAT-Verbal	.001	.0005	.08
Psychology	-.38	.41	-.03
Female	-.18	.08	-.07
Management	.03	.13	.01
Winter Qtr.	-.17	.09	-.09
Hours Attempted	.002	.001	.11
Real Estate	-.02	.17	-.006
Missing Data-Math	-.36	.34	-.21
Missing Data-H.S. Yr.	.14	.10	.05
Veteran	.10	.05	.07
Age	.01	.008	.07
Studio	1.04	.70	.05
Minority	.10	.09	.04
Criminal Justice	-.34	.41	-.03
Undeclared	.20	.14	.07
Accounting	.17	.12	.08
SAT-Math	-.0004	.0005	-.03
Elementary Education	.37	.41	.03
Finance	.17	.14	.06
Summer Qtr.	-.06	.09	-.03
Missing Data-Verbal	.6	.34	.15
Political Science	.39	.50	.02
Journalism	.57	.70	.03
Marketing	.09	.14	.03
Yrs. Since H.S.	-.005	.008	-.03
Class Standing	-.06	.08	-.04
Missing Data-H.S. GPA	-.05	.10	-.02
Hours Transferred	.0007	.001	.04
Missing Data-Age	.09	.18	.02
English	-.24	.69	-.01
Music	.15	.50	.009
Math	.06	.26	.008
H.S. GPA	-.006	.05	-.004
Constant	-.82		
R^2	.44		
Standard Error of Estimate	.67		
N	681		

NURS 111
Mean Grade = 2.84 S.D. = .71

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>S</u>
Year of Course: 75	-.20	.24	-.09
74	-.10	.23	-.07
73	-.42	.23	-.25
72	-.28	.24	-.15
71	-.03	.25	-.01
GPA	.60	.07	.53
Veteran	-.18	.10	-.12
Management	-1.19	.61	-.10
Age	-.03	.02	-.18
Hours Attempted	.004	.002	.27
SAT-Verbal	.001	.0007	.13
Summer Qtr.	-.33	.19	-.09
Nursing	-.009	.20	-.004
Missing Data-Math	.11	.09	.08
SAT-Math	-.0006	.0006	-.06
Sociology	.32	.61	.03
Hours Transferred	.003	.002	.16
Class Standing	-.12	.10	-.14
H.S. GPA	.11	.12	.05
Yrs. Since H.S.	.008	.02	.05
Undeclared	-.34	.36	-.06
Biology	-.35	.46	-.04
Psychology	-.23	.31	-.05
Special Education	-.40	.61	-.03
Missing Data-Age	-.13	.23	-.04
Social Welfare	-.37	.65	-.03
Missing Data-H.S. GPA	-.04	.11	-.03
Business Education	-.18	.61	-.02
Minority	-.03	.10	-.02
Female	.03	.14	.009
Criminal Justice	-.08	.60	-.007
Constant	1.89		
R ²	.46		
Standard Error of Estimate	.56		
N	282		

SOC 308
Mean Grade = 2.84 S.D. = .87

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>s</u>
Year of Course: 75	.30	.49	.17
74	.18	.50	.09
73	.15	.49	.06
72	.04	.49	.01
71	-.02	.49	-.005
GPA	.90	.05	.61
Spring Qtr.	-.70	.08	-.32
Winter Qtr.	-.35	.07	-.18
Real Estate	-.60	.29	-.06
Transfer GPA	-.05	.03	-.07
Minority	.19	.08	.08
Elementary Education	-.03	.17	-.005
Early Childhood Education	-.08	.19	-.01
Psychology	.38	.12	.14
Special Education	.07	.17	.01
Sociology	.35	.13	.12
Math	.62	.27	.07
Marketing	.41	.17	.09
Fall Qtr.	-.10	.07	-.05
Age	.02	.01	.15
Yrs. Since H.S.	-.02	.01	-.10
H.S. GPA	-.08	.06	-.04
Hours Attempted	.0009	.0007	.05
General Studies	.52	.27	.06
SAT-Verbal	.0004	.0004	.03
Business Education	-.16	.39	-.01
Biology	.60	.39	.05
Missing Data-Math	-.21	.47	-.12
Anthropology	.42	.22	.06
Female	.04	.07	.02
Finance	.50	.34	.04
Secondary Education	.36	.22	.05
Journalism	.30	.16	.07
History	.34	.23	.05
Undeclared	.25	.14	.07
Nursing	.24	.12	.10
Criminal Justice	.25	.14	.07
Social Welfare	.26	.15	.06
Political Science	.26	.18	.05
Management	.20	.16	.05
Studio	.27	.31	.03
Medical Technology	.29	.39	.02
Economics	.28	.39	.02
Accounting	.14	.22	.02
English	.12	.20	.02
Missing Data-Age	-.08	.16	-.02
Missing Data-H.S. Yr.	.07	.10	.03
Missing Data-Verbal	.16	.47	.09
Hours Transferred	.0004	.0009	.02
Missing Data-H.S. GPA	-.04	.09	-.02
Veteran	.01	.06	.009
Constant	-.35		
R ²	.49		
Standard Error of Estimator	.65		
N	711		

LING 301
Mean Grade = 2.84 S.D. = 1.06

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	.55	.32	.22
73	-.58	.26	-.24
72	-1.01	.33	-.29
71	-.85	.38	-.23
GPA	.80	.21	.41
Psychology	1.43	.65	.23
Summer Qtr.	.51	.30	.22
Undeclared	.66	.46	.17
Class Standing	.57	.33	.28
Missing Data-Age	.63	.66	.11
Early Childhood Education	1.30	.99	-.12
English	.27	.29	.12
Missing Data-H.S. GPA	-.36	.33	-.14
Spring Qtr.	.47	.36	.15
Veteran	-.23	.20	-.11
H.S. GPA	-.12	.16	-.07
SAT-Verbal	-.001	.002	-.10
History	.47	.68	.06
Age	-.02	.05	-.10
Female	.19	.24	.09
Secondary Education	-.15	.31	-.06
Anthropology	-.12	.42	-.03
SAT-Math	.0006	.002	.04
Hours Attempted	-.003	.005	-.11
Hours Transferred	-.002	.005	-.10
Yrs. Since H.S.	.005	.05	.03
Missing Data-Math	.87	.97	.40
Missing Data-Verbal	-.80	.95	-.38
Winter Qtr.	.09	.28	.04
Finance	.17	.68	.02
Special Education	-.10	.57	-.02
Biology	.14	.95	.01
Missing Data-H.S. Yr.	-.09	.44	-.03
Economics	.22	1.14	.02
Constant	.39		
R ²	.59		
Standard Error of Estimate	.83		
N	104		

ANTH 102
Mean Grade = 2.82 S.D. = .94

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	.23	.15	.11
74	-.21	.15	-.09
73	-.13	.15	-.05
72	-.17	.15	-.07
71	-.13	.15	-.05
GPA	.83	.04	.56
Winter Qtr.	.20	.07	.10
Missing Data-Math	.03	.07	.02
Hours Transferred	-.0007	.001	-.03
Medical Technology	.67	.25	.06
Political Science	.35	.14	.06
Anthropology	.22	.10	.06
History	.31	.13	.06
Special Education	-.38	.18	-.05
Elementary Education	-.23	.15	-.04
Secondary Education	-.28	.15	-.04
Biology	.30	.15	.05
Missing Data-Age	-.23	.16	-.04
Missing Data-Years H.S.	.17	.08	.06
Hours Attempted	.002	.001	.09
Finance	-.25	.19	-.03
H.S. GPA	.07	.05	.03
Early Childhood Education	-.21	.16	-.03
Veteran	.07	.05	.04
Missing Data-H.S. GPA	.09	.08	.04
English	.16	.15	.03
Marketing	.17	.15	.03
Undeclared	.08	.08	.02
SAT-Math	-.0003	.0004	-.02
Music	.32	.39	.02
Fall Qtr.	.08	.07	.04
Age	.004	.005	.02
Nursing	.16	.21	.02
Sociology	.07	.11	.02
Class Standing	-.04	.06	-.04
Economics	.10	.18	.01
Summer Qtr.	.04	.07	.02
Accounting	-.05	.10	-.01
SAT-Verbal	.0002	.0004	.01
Social Welfare	-.05	.13	-.01
Minority	.02	.07	.01
General Studies	-.07	.21	-.008
Female	.02	.05	.009
Transfer GPA	-.01	.03	-.01
Journalism	-.03	.14	-.005
Business Education	.07	.32	.005
Studio	.02	.15	.003
Criminal Justice	.01	.10	.003
Constant	-.003		
R ²	.35		
Standard Error of Estimate	.77		
N	1267		

POLS. 201
Mean Grade = 2.81 S.D. = .90

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>B</u>
Year of Course: 75	.12	.12	.06
74	.15	.11	.07
72	-.20	.12	-.08
71	-.06	.29	-.009
GPA	.87	.08	.60
Criminal Justice	-.66	.19	-.17
Veteran	-.19	.09	-.11
Special Education	-.84	.35	-.10
Sociology	-.64	.29	-.09
General Studies	-.51	.30	-.07
Psychology	-.47	.20	-.11
Age	-.01	.01	-.06
Hours Transferred	.003	.002	.11
Secondary Education	-.50	.24	-.09
Summer Qtr.	-.10	.10	-.05
Journalism	-.35	.21	-.08
Nursing	-.57	.32	-.08
Female	.09	.09	.05
Management	-.36	.38	-.04
Marketing	-.73	.52	-.06
Finance	.43	.53	.03
Biology	.36	.34	.04
Hours Attempted	.002	.002	.09
Undeclared	.09	.16	.03
Missing Data-H.S. GPA	.24	.13	.13
Missing Data-Math	-3.19	.74	-1.73
Missing Data-Verbal	3.12	.75	1.69
Economics	.20	.22	.04
H.S. GPA	-.09	.07	-.06
Transfer GPA	-.05	.04	-.07
Missing Data-Age	-.30	.26	-.06
Minority	.16	.12	.07
Accounting	-.42	.38	-.05
Elementary Education	-.46	.38	-.05
Spring Qtr.	.12	.13	.04
SAT-Verbal	.0008	.0006	.06
Music	.55	.73	.03
SAT-Math	-.0005	.0006	-.04
Anthropology	-.32	.38	-.04
Real Estate	-.54	.73	-.03
History	-.18	.21	-.04
Fall Qtr.	-.04	.10	-.02
Yrs. Since H.S.	-.009	.01	-.04
Missing Data-H.S. Yr.	-.07	.14	-.02
Medical Technology	-.35	.75	-.02
Math	-.17	.37	-.02
English	-.13	.27	-.02
Political Science	-.06	.13	-.03
Class Standing	-.04	.11	-.03
Studio	-.22	.73	-.01
Social Welfare	-.03	.29	-.005
Constant	1.15		
R^2	.48		
Standard Error of Estimate	.70		
N	402		

PSY 301
Mean Grade = 2.80 S.D. = 1.19

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 74	.01	.11	.005
73	-.12	.14	-.04
72	.05	.18	.01
71	-.73	.22	-.13
GPA	1.08	.09	.57
Secondary Education	-.80	.29	-.11
Transfer GPA	-.07	.04	-.08
Female	-.16	.10	-.07
Spring Qtr.	-.26	.13	-.09
English	-.84	.48	-.06
SAT-Math	.002	.0008	.11
Winter Qtr.	-.13	.12	-.05
Nursing	.82	.54	.05
Elementary Education	-.97	.95	-.04
SAT-Verbal	-.001	.0008	-.07
Minority	-.26	.16	-.07
Missing Data-Age	.36	.27	.06
H.S. GPA	-.16	.20	-.03
Math	.41	.47	.03
Undeclared	-.23	.28	-.03
Marketing	.58	.67	.03
Missing Data-Math	-.11	.10	-.04
Missing Data-H.S. Yr.	.18	.16	.05
Yrs. Since H.S.	.009	.01	.04
Political Science	.66	.95	.03
Sociology	.24	.39	.02
Accounting	-.25	.55	-.02
Veteran	.05	.10	.02
Economics	.42	.95	.02
Biology	.15	.39	.01
Hours Transferred	-.001	.002	-.04
Management	.29	.94	.01
Class Standing	.06	.13	.03
Hours Attempted	-.0006	.002	-.02
Real Estate	.18	.68	.01
Fall Qtr.	-.03	.12	-.01
Journalism	.19	.97	.007
Constant	.07		
R ²	.45		
Standard Error of Estimate	.92		
N	481		

FR 101
Mean Grade = 2.80 S.D. = 1.06

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	.29	.19	.12
74	.27	.19	.11
73	.32	.19	.12
72	-.03	.19	-.008
71	.10	.21	.02
GPA	1.08	.61	.06
Hours Transferred	-.004	.001	-.14
Female	.21	.07	.10
Social Welfare	1.28	.49	-.08
Nursing	.59	.29	.06
Spring Qtr.	-.29	.14	-.07
Secondary Education	-.79	.33	-.07
Missing Data-Age	-.55	.22	-.10
Minority	.19	.10	.06
Early Childhood Education	-.71	.39	-.05
Elementary Education	.29	.24	.04
Business Education	1.32	.85	.04
Transfer GPA	.05	.03	.06
History	.17	.17	.03
Sociology	-.25	.15	-.05
Special Education	-.50	.35	-.04
Political Science	-.23	.15	-.05
SAT-Verbal	-.0005	.0005	-.03
Math	.19	.22	.03
English	-.15	.13	-.04
Psychology	-.11	.10	-.04
Music	-.26	.24	-.03
Yrs. Since H.S.	-.02	.02	-.06
Veteran	-.05	.07	-.02
Hours Attempted	.0006	.0008	.03
Economics	-.16	.23	-.02
Age	.009	.02	.04
Management	-.16	.31	-.02
Studio	.09	.20	.01
Accounting	.14	.29	.01
Medical Technology	-.41	.86	-.01
Journalism	-.05	.13	-.01
Missing Data-H.S. Yr.	.05	.12	.02
General Studies	-.08	.25	-.01
Biology	.03	.13	.007
H.S. GPA	.01	.07	.004
Real Estate	.07	.60	.003
Marketing	-.03	.31	-.003
Constant	-.15		
R ²	.44		
Standard Error of Estimate	.84		
N	735		

FR 202
Mean Grade = 2.79 S.D. = .98

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	.72	.36	.16
74	.52	.16	.23
73	.35	.13	.16
71	.10	.20	.02
GPA	1.05	.08	.63
Winter Qtr.	.40	.13	.16
Class Standing	-.17	.09	-.11
Summer Qtr.	.18	.11	.09
SAT-Math	-.001	.0007	-.09
Veteran	.14	.09	.07
History	.13	.19	.03
General Studies	.67	.53	.05
Nursing	.99	.73	.05
Economics	-.45	.26	-.08
Missing Data-H.S. Yr.	.29	.17	.09
Missing Data-Age	-.33	.26	-.06
Music	.73	.72	.04
Secondary Education	-.37	.46	-.03
Criminal Justice	-.63	.43	-.06
Accounting	-.88	.74	-.05
Political Science	-.26	.21	.06
Math	-.39	.35	-.05
Missing Data-H.S. GPA	-.14	.14	-.07
Psychology	-.04	.15	-.01
Early Childhood Education	.38	.73	.02
Studio	-.28	.25	-.05
Transfer GPA	.04	.04	.05
Social Welfare	-.54	.72	-.03
Sociology	-.19	.19	-.05
Anthropology	-.21	.22	-.04
Yrs. Since H.S.	-.005	.009	-.03
Missing Data-Verbal	.59	.57	.30
Missing Data-Math	-.51	.56	-.26
English	-.14	.16	-.05
Journalism	-.13	.17	-.04
SAT-Verbal	.0004	.0007	.03
Undeclared	-.10	.22	-.02
Hours Attempted	.0003	.001	.01
Elementary Education	-.07	.25	-.01
Female	.02	.10	.01
H.S. GPA	-.03	.14	-.01
Spring Qtr.	-.02	.11	-.01
Biology	-.05	.38	-.005
Constant	.09		
R ²	.57		
Standard Error of Estimate	.69		
N	341		

MGT 480
Mean Grade = 2.78 S.D. = 1.01

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>B</u>
Year of Course: 75	.23	.46	.11
74	.24	.46	.11
73	-.006	.47	-.001
72	-.38	.51	-.06
71	-.54	.52	-.07
GPA	.96	.08	.52
Management	-.51	.36	-.22
SAT-Math	-.001	.0008	-.06
Hours Attempted	.002	.001	.11
Missing Data H.S. Yr.	-.16	.18	-.05
Missing Data-H.S. GPA	.32	.17	.10
Economics	.48	.52	.05
Sociology	1.12	.96	.05
Fall Qtr.	.14	.10	.06
General Studies	-1.40	.95	-.06
Yrs. Since H.S.	.02	.01	.09
Real Estate	-.85	.72	-.05
Minority	.15	.14	.05
Studio	-.80	.95	-.03
Female	.07	.15	.02
Missing Data-Age	-.18	.24	-.04
SAT-Verbal	-.0005	.0009	-.03
Transfer GPA	-.04	.04	-.06
Missing Data-Verbal	-.07	.11	-.03
Finance	-.32	.46	-.04
Undeclared	-.20	.38	-.07
Age	-.007	.01	-.04
Business Education	.26	.98	.01
Hours Transferred	.0005	.001	.02
Spring Qtr.	.04	.10	.02
Veteran	.03	.08	.02
Accounting	-.13	.40	-.03
Marketing	-.09	.42	-.02
H.S. GPA	-.02	.19	-.006
Constant	.76		
R ²	.30		
Standard Error of Estimate	.87		
N	549		

BL 301
Mean Grade = 2.76 S.D. = .92

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	.46	.15	.23
74	.50	.15	.24
73	.22	.15	.10
72	.13	.15	.05
71	.13	.15	.04
GPA	.84	.03	.53
Hours Attempted	.002	.0007	.12
Age	.02	.006	.09
Missing Data-H.S. Yr.	.18	.06	.06
Secondary Education	-.76	.31	-.04
Winter Qtr.	-.09	.04	-.05
Minority	-.09	.05	-.03
Accounting	.20	.06	.09
Undeclared	.18	.07	.07
Social Welfare	1.56	.75	.03
SAT-Verbal	.0005	.0003	.04
Business Education	-.08	.12	-.01
Summer Qtr.	.04	.04	.02
Medical Technology	.81	.53	.03
Missing Data-Age	-.12	.10	-.02
General Studies	-.23	.26	-.02
Journalism	-.13	.18	-.01
Missing Data-H.S. GPA	-.05	.05	-.02
Biology	.48	.38	.02
Psychology	-.04	.16	-.004
Yrs. Since H.S.	-.005	.005	-.03
Finance	.16	.09	.04
Management	.13	.06	.06
Real Estate	.16	.09	.03
Marketing	.12	.07	.04
Political Science	.19	.15	.02
Sociology	.26	.34	.01
Criminal Justice	.11	.12	.02
Economics	.09	.11	.02
Music	.38	.53	.01
Nursing	.33	.53	.01
History	.12	.19	.01
Class Standing	-.04	.04	-.03
Hours Transferred	.0007	.0008	.03
Studio	.20	.44	.008
Spring Qtr.	-.02	.05	-.009
Transfer GPA	-.006	.02	-.01
SAT-Math	-.00009	.0003	-.007
Special Education	.15	.75	.003
Female	.008	.05	.003
H.S. GPA	.004	.03	.002
Anthropology	.10	.75	.002
Elementary Education	-.04	.34	-.002
Constant	-.50		
R ²	.35		
Standard Error of Estimate	.75		
N	2414		

GEOG 350
Mean Grade = 2.76 S.D. = .98

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>B</u>
Year of Course: 75	.15	.41	.08
74	.64	.41	.32
73	.26	.41	.09
72	-.19	.44	-.04
71	.47	.51	.05
GPA	.98	.07	.57
Spring Qtr.	-.48	.11	-.20
History	-1.08	.31	-.13
Summer Qtr.	-.26	.10	-.12
Undeclared	.25	.12	.07
Hours Attempted	.0005	.002	.02
Sociology	-.63	.32	-.07
Studio	-1.01	.54	-.06
Social Welfare	-.22	.12	-.06
Secondary Education	-.53	.29	-.06
Elementary Education	-.88	.54	-.06
English	-.61	.44	-.05
Nursing	.96	.76	.04
Management	.34	.29	.04
Age	-.01	.009	-.05
Marketing	.37	.38	.03
SAT-Math	-.0006	.0006	-.04
Missing Data-Age	-.24	.22	-.04
Veteran	-.06	.07	-.03
Anthropology	-.38	.44	-.03
Hours Transferred	-.001	.002	-.06
Biology	-.45	.54	-.03
Psychology	-.34	.46	-.03
H.S. GPA	-.04	.06	-.02
Early Childhood Education	-.44	.77	-.02
Class Standing	.07	.11	.04
Economics	-.21	.38	-.02
Missing Data-H.S. Yr.	.05	.12	.02
Missing Data-Math	-.16	.75	-.08
Math	.30	.75	.01
Political Science	.16	.44	.01
SAT-Verbal	.0002	.0006	.02
Minority	.02	.09	.008
Accounting	.09	.38	.008
Winter Qtr.	-.02	.10	-.01
Missing Data-Verbal	.12	.75	.06
Finance	-.12	.80	-.005
Real Estate	-.06	.44	-.005
Constant	.58		
R ²	.48		
Standard Error of Estimate	.74		
N	519		

DRAM 304
Mean Grade = 2.75 S.D. = 1.14

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>S</u>
Year of Course: 75	.26	.26	.11
74	-.04	.26	-.02
73	-.25	.29	-.08
71	.16	.45	.02
GPA	.99	.13	.57
Class Standing	.35	.19	.22
Math	1.28	.64	.12
Economics	-1.78	.87	-.11
Age	.06	.03	.22
Veteran	.29	.15	.14
Biology	.87	.52	.10
Spring Qtr.	.35	.22	.12
Missing Data-H.S. GPA	-.05	.24	-.02
Marketing	1.53	.93	.10
Management	.88	.87	.06
Fall Qtr.	.19	.18	.07
Elementary Education	-.85	.89	-.05
History	.22	.31	.04
H.S. GPA	.31	.22	.09
Studio	-.25	.25	-.06
Political Science	-.21	.33	-.04
Anthropology	-.49	.53	-.05
Minority	-.26	.25	-.07
Yrs. Since H.S.	-.03	.04	-.08
Secondary Education	.42	.51	.05
Sociology	-.28	.35	-.05
Business Education	.42	.86	.03
General Studies	-.42	.63	-.04
Accounting	-.34	.62	-.03
Hours Transferred	-.003	.003	-.11
Hours Attempted	-.003	.003	-.13
Female	.09	.15	.04
Special Education	-.13	.30	-.03
Nursing	-.32	.87	-.02
Winter Qtr.	.05	.18	.02
Transfer GPA	-.05	.09	-.06
Missing Data-Math	-.10	.22	-.04
SAT-Verbal	-.0003	.0009	-.02
Journalism	.08	.26	.02
English	.06	.20	.02
Music	-.20	.91	-.01
Undeclared	-.07	.37	-.01
Missing Data-H.S. Yr.	-.06	.26	-.02
Missing Data-Age	.07	.37	.01
Constant	-3.44		
R^2	.61		
Standard Error of Estimate	.81		
N	185		

SOC 202
Mean Grade = 2.73 S.D. = .95

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>B</u>
Year of Course: 75	.31	.08	.15
74	-.03	.07	-.02
72	-.22	.08	-.09
71	-.11	.17	-.02
GPA	.98	.05	.62
Missing Data-Math	.63	.74	.33
Criminal Justi	.28	.12	.08
Social Welfare	.29	.14	.06
Age	-.002	.01	-.01
Studio	-.57	.25	-.06
Spring Qtr.	.21	.09	.07
Transfer GPA	-.05	.03	-.06
Music	-1.11	.53	-.05
SAT-Verbal	.001	.0004	.08
SAT-Math	-.0009	.0004	-.07
Early Childhood Education	-.46	.25	-.05
Nursing	-.40	.24	-.05
Medical Technology	.57	.34	.04
Sociology	.13	.11	.05
Finance	.25	.26	.03
Biology	.39	.29	.04
Fall Qtr.	-.06	.07	-.03
H.S. GPA	-.07	.05	-.04
Psychology	.06	.11	.02
History	.19	.18	.03
Political Science	.12	.17	.02
English	.15	.21	.02
Class Standing	-.05	.07	-.04
Missing Data-Age	-.29	.15	-.06
Veteran	-.08	.06	-.04
Anthropology	.19	.22	.02
Real Estate	-.31	.25	-.03
Yrs. Since H.S.	.01	.01	.07
Summer Qtr.	.15	.07	.03
Minority	.06	.07	.02
Journalism	-.20	.18	-.03
Elementary Education	-.18	.19	-.03
Secondary Education	-.17	.17	-.03
Management	-.13	.12	-.04
Missing Data-Verbal	-.29	.75	-.25
Undeclared	-.09	.11	-.03
Female	-.03	.06	-.02
Marketing	-.11	.17	-.02
Economics	-.13	.22	-.02
General Studies	.07	.26	.007
Special Education	-.09	.21	-.01
Accounting	-.05	.12	-.01
Business Education	-.23	.75	-.008
Hours Transferred	.0004	.001	.02
Hours Attempted	.0003	.001	.02
Constant	.48		
R ²	.44		
Standard Error of Estimate	.73		
N	912		

CHEM 116
Mean Grade = 2.72 S.D. = 1.03

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>β</u>
Year of Course: 75	.61	.24	.24
74	.54	.23	.23
73	.66	.23	.27
72	.68	.23	.25
71	.63	.23	.19
GPA	.56	.07	.35
Hours Transferred	.004	.002	.16
History	-.73	.31	-.09
Transfer GPA	-.08	.05	-.10
Biology	.16	.10	.07
Finance	.79	.48	.06
Veteran	-.16	.10	-.08
Social Welfare	-1.22	.56	-.08
Medical Technology	.22	.16	.05
Marketing	.46	.29	.06
Undeclared	.12	.14	.04
H.S. GPA	.12	.11	.04
General Studies	-.51	.44	-.04
Minority	-.18	.12	-.06
Secondary Education	-.55	.48	-.04
Music	-.95	.96	-.04
English	-.36	.27	-.05
Female	.07	.08	.03
Nursing	-.36	.29	-.05
Hours Attempted	.002	.002	.10
Criminal Justice	.35	.43	.03
Missing Data-Age	.17	.27	.03
Yrs. Since H.S.	.05	.03	.14
Age	-.04	.02	-.13
Sociology	.34	.50	.03
SAT-Verbal	.0004	.0006	.03
Missing Data-H.S. Yr	.08	.15	.02
Early Childhood Education	-.37	.55	-.02
Winter Qtr.	-.03	.09	-.01
Missing Data-Math	-.14	.12	-.07
Missing Data-H.S. GPA	.14	.14	.07
Class Standing	-.06	.10	-.05
Studio	-.22	.32	-.02
Special Education	-.23	.37	-.02
Real Estate	.41	.96	.02
Business Education	-.53	.96	-.02
Anthropology	-.25	.43	-.02
Accounting	-.14	.23	-.02
Economics	-.19	.39	-.02
Journalism	-.19	.39	-.02
Psychology	-.07	.16	-.02
Political Science	-.17	.43	-.01
Spring Qtr.	.04	.12	.01
Management	.08	.39	.008
SAT-Math	-.001	.0007	-.008
Math	-.04	.26	-.006
Constant	.84		
R^2	.25		
Standard Error of Estimate	.92		
N	657		

PSY 300
Mean Grade = 2.72 S.D. = 1.09

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>β</u>
Year of Course: 75	1.07	.32	.45
74	.95	.32	.39
73	.77	.32	.30
72	.65	.33	.19
71	.89	.34	.19
GPA	1.09	.07	.62
Real Estate	2.92	.85	.12
Transfer GPA	-.09	.04	-.12
Studio	-1.31	.41	-.12
Spring Qtr.	.42	.12	.14
Criminal Justice	-1.19	.45	-.10
Summer Qtr.	.19	.10	.08
Yrs. Since H.S.	.03	.02	.14
SAT-Math	.001	.0007	.08
Minority	.22	.13	.07
Nursing	.53	.42	.05
Economics	-.62	.45	-.05
Management	.80	.61	.05
Veteran	.06	.09	.03
Math	.53	.45	.04
Anthropology	-.75	.61	-.04
English	.34	.45	.03
Special Education	-.62	.61	-.04
Elementary Education	-.62	.52	-.04
Missing Data-H.S. GPA	-.22	.14	-.08
Hours Transferred	.002	.001	.07
Missing Data-Math	.10	.10	.05
Biology	.18	.32	.02
Secondary Education	-.25	.29	-.04
H.S. GPA	-.06	.09	-.02
Class Standing	-.06	.06	-.04
Age	-.02	.02	-.08
General Studies	-.77	.86	-.03
Finance	-.56	.85	-.02
Undeclared	.11	.28	.02
Journalism	.32	.61	.02
Missing Data-Age	-.13	.22	-.02
SAT-Verbal	-.0003	.0007	-.02
Female	.04	.09	.02
Marketing	.20	.10	.01
Winter Qtr.	.04	.10	.01
Political Science	-.15	.38	-.01
Music	-.18	.85	-.007
Psychology	-.04	.18	-.01
Social Welfare	-.12	.89	-.005
Sociology	-.10	.85	-.004
Accounting	.09	.85	.004
Constant	-1.11		
R^2	.50		
Standard Error of Estimate	.81		
N	505		

A-6.

SPAN 101
Mean Grade = 2.72 S.D. = 1.13

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>R</u>
Year of Course: 75	.50	.28	.20
74	.66	.28	.27
73	.71	.28	.25
72	.51	.29	.13
71	.49	.29	.11
GPA	.90	.07	.49
Female	.40	.09	.17
Hours Transferred	-.007	.002	-.24
General Studies	1.19	.41	..09
History	-.37	.17	-.08
Special Education	-.91	.33	-.09
Summer Qtr.	-.26	.10	-.12
Class Standing	.22	.10	.16
Social Welfare	-.68	.35	-.06
H.S. GPA	.14	.08	.06
Biology	.24	.17	.05
SAT-Math	.001	.0007	.07
Fall Qtr.	-.16	.11	-.06
Math	-.64	.41	-.05
Finance	-1.21	.90	-.04
Political Science	-.16	.13	-.04
Missing Data-H.S. Yr.	.15	.14	.04
Undeclared	.17	.18	.03
Business Education	.79	.89	.03
SAT-Verbal	-.0007	.0007	-.04
Studio	-.27	.24	-.04
Music	-.37	.41	-.03
Hours Attempted	-.002	.002	-.09
Veteran	-.08	.08	-.04
Age	-.03	.02	-.15
Yrs. Since H.S.	.03	.02	.11
Accounting	-.22	.31	-.02
Missing Data-Math	.29	.67	.13
Missing Data-H.S. GPA	-.11	.13	-.05
Secondary Education	-.20	.29	-.02
Medical Technology	.38	.64	.02
Nursing	-.16	.35	-.01
Management	.20	.41	.02
Elementary Education	-.13	.27	-.01
Sociology	.06	.16	-.01
Economics	.10	.20	.02
Criminal Justice	.15	.32	.02
Anthropology	.06	.19	.01
Missing Data-Verbal	-.16	.67	-.07
Psychology	.03	.14	.007
Spring Qtr.	.05	.21	.007
English	-.03	.21	.007
Minority	-.02	.12	-.006
Marketing	.08	.64	.004
Transfer GPA	.003	.05	.006
Constant	-.33		
R ²	.44		
Standard Error of Estimate	.88		
N	650		

MX 430
Mean Grade = 2.72 S.D. = .92

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	-.32	.47	-.17
74	-.11	.47	-.05
73	-.26	.47	-.10
72	-.44	.49	-.10
71	-.71	.48	-.17
GPA	.93	.10	.52
Hours Transferred	-.003	.002	-.16
Management	-.36	.15	-.11
Undeclared	-.26	.12	-.10
Winter Qtr.	-.27	.11	-.14
SAT-Verbal	.002	.0009	.16
SAT-Math	-.002	.0008	-.10
Veteran	.17	.09	.10
Missing Data-H.S. Yr.	.19	.20	.07
Sociology	1.09	.77	.06
Accounting	.32	.26	.06
H.S. GPA	-.13	.10	-.06
Finance	-.49	.44	-.05
Spring Qtr.	-.09	.12	-.04
Political Science	.91	.76	.05
Missing Data-Math	-.05	.76	-.03
Age	.05	.03	.22
Yrs. Since H.S.	-.04	.04	-.16
Criminal Justice	-.64	.77	-.04
Psychology	.37	.54	.03
Class Standing	.13	.13	.08
Hours Attempted	-.002	.002	-.08
Minority	-.07	.15	-.03
Transfer GPA	-.03	.05	-.05
Studio	-.35	.76	-.02
Fall Qtr.	.05	.13	.02
Biology	.27	.78	.02
Journalism	-.04	.14	-.01
Business Education	.14	.76	.008
Missing Data-Verbal	-.12	.76	-.07
Real Estate	-.05	.34	-.006
Missing Data-H.S. GPA	.02	.16	.008
Female	-.03	.12	-.006
Economics	-.05	.45	-.005
Constant	-.52		
R ²	.43		
Standard Error of Estimate	.74		
N	348		

NURS 211
Mean Grade = 2.72 S.D. = .85

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	-.70	.13	-.40
74	.08	.11	.04
72	-.43	.15	-.16
71	-.42	.33	-.06
GPA	.90	.07	.63
Business Education	-2.25	.61	-.17
H.S. GPA	-.47	.13	-.16
SAT-Verbal	.001	.0006	.10
Missing Data-H.S. GPA	.13	.14	.07
Missing Data-Age	-.49	.23	-.13
Hours Transferred	-.0005	.002	-.02
Spring Qtr.	.46	.53	.04
Veteran	-.11	.10	-.07
Minority	.07	.10	.03
Yrs. Since H.S.	-.04	.02	-.24
Age	.04	.02	.22
Class Standing	-.05	.10	-.05
Psychology	-.12	.40	-.02
Female	-.06	.15	-.02
Missing Data-Verbal	.07	.10	.04
Transfer GPA	.02	.04	.03
Undeclared	.24	.59	.02
Missing Data-H.S. Yr.	-.04	.13	-.02
Nursing	.07	.28	.02
Hours Attempted	.0005	.002	.02
Constant	.93		
R^2	.67		
Standard Error of Estimate	.52		
N	232		

RE 410
Mean Grade = 2.71 S.D. = 1.03

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>β</u>
Year of Course: 75	.10	.18	.04
73	-.68	.24	-.21
72	-.65	.27	-.17
71	.50	.40	.09
GPA	1.09	.15	.55
Psychology	-2.37	.93	-.17
Class Standing	-.10	.25	-.05
Marketing	-.71	.41	-.13
Spring Qtr.	-.30	.19	-.13
Minority	-.52	.38	-.12
Sociology	.92	.99	.07
Undeclared	.01	.29	.005
Economics	-.50	.51	-.07
SAT-Verbal	-.0005	.001	-.03
Hours Attempted	.007	.003	.33
Hours Transferred	.008	.004	.35
Yrs. Since H.S.	-.02	.04	-.13
Female	.17	.31	.04
Transfer GPA	-.06	.08	-.08
Management	-.25	.34	-.06
SAT-Math	-.0006	.001	-.03
Missing Data-Verbal	-.09	.20	-.04
Studio	-.48	.93	-.03
Winter Qtr.	-.07	.17	-.03
Real Estate	-.10	.22	-.05
Finance	-.16	.41	-.03
Age	.02	.04	.11
Veteran	.05	.15	.03
Missing Data-H.S. Yr.	-.13	.34	-.04
Missing Data-Age	.17	.46	.04
H.S. GPA	.03	.28	.008
Missing Data-H.S. GPA	.03	.31	.01
Constant	-.42		
R^2	.42		
Standard Error of Estimate	.86		
N	180		

JOUR 400
Mean Grade = 2.71 S.D. = .97

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>B</u>
Year of Course: 75	.19	.11	.09
73	.15	.13	.06
72	-.25	.19	-.07
71	-.31	.25	-.06
GPA	.99	.09	.62
Hours Attempted	.008	.002	.36
Sociology	-.80	.44	-.08
Winter Qtr.	.01	.22	.006
Missing Data-H.S. Yr.	.37	.18	.12
Undeclared	-.40	.23	-.09
Hours Transferred	.004	.002	.19
Nursing	1.17	.75	.07
Psychology	.50	.35	.06
Class Standing	-.16	.15	-.10
Minority	.19	.13	.07
Management	.53	.35	.07
Elementary Education	-.97	.76	-.06
Secondary Education	-.63	.46	-.06
Missing Data-Age	-.27	.33	-.04
Marketing	.30	.26	.05
Summer Qtr.	.23	.20	.11
Studio	-.47	.54	-.04
Political Science	.47	.40	.05
Accounting	.34	.37	.04
Criminal Justice	.14	.20	.03
History	-.37	.45	-.04
H.S. CPA	-.06	.16	-.02
Age	.01	.01	.08
Yrs. Since H.S.	-.008	.01	-.05
Veteran	.07	.10	.04
English	.31	.40	.04
Biology	.37	.77	.02
Real Estate	.41	.75	.02
Finance	-.33	.76	-.02
Fall Qtr.	.11	.22	.05
Transfer GPA	.05	.05	.06
Missing Data-H.S. GPA	-.17	.17	-.07
Missing Data-Verbal	.11	.13	.06
SAT-Verbal	-.0002	.0007	-.01
Female	.01	.10	.007
Journalism	-.02	.12	-.009
Social Welfare	-.10	.76	-.006
Constant	-.77		
R ²	.72		
Standard Error of Estimate	.73		
N	314		

RE 301
Mean Grade = 2.71 S.D. = .88

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>B</u>
Year of Course: 75	.08	.22	.04
74	.06	.22	.03
73	.27	.22	.12
72	.06	.22	.02
71	.07	.23	.01
GPA	.83	.03	.56
Real Estate	.34	.07	.09
Hours Attempted	.002	.0007	.10
Age	.01	.005	.08
Minority	-.19	.05	-.07
Missing Data-H.S. Yr.	.17	.06	.07
Accounting	.16	.04	.07
Fall Qtr.	-.11	.04	-.05
Math	.49	.22	.04
Journalism	-.42	.21	-.03
Early Childhood Education	-1.31	.71	-.03
Psychology	.28	.14	.04
Female	-.09	.05	-.04
Medical Technology	1.13	.71	.03
Elementary Education	-.79	.50	-.03
Spring Qtr.	-.08	.04	-.03
SAT-Verbal	.0005	.0003	.03
Marketing	.10	.05	.03
Political Science	-.34	.25	-.02
H.S. GPA	.03	.03	.02
Veteran	.03	.03	.02
Sociology	-.27	.27	-.02
Missing Data-Math	.30	.36	.17
Missing Data-H.S. GPA	-.08	.06	-.03
Hours Transferred	.0009	.0008	.04
English	-.32	.32	-.02
Finance	.07	.08	.02
Secondary Education	-.29	.41	-.01
SAT-Math	-.0002	.0003	-.02
Missing Data-Verbal	-.24	.36	-.14
Nursing	.45	.71	.01
Undeclared	.03	.05	.01
Biology	-.17	.32	-.009
Studio	.10	.23	.009
Transfer GPA	-.009	.02	-.01
History	.10	.24	.008
Economics	.04	.11	.007
Yrs. Since H.S.	-.001	.005	-.008
Class Standing	-.007	.04	-.005
Business Education	-.02	.12	-.003
Criminal Justice	-.03	.23	-.002
Constant	-.29		
R ²	.37		
Standard Error of Estimate	.70		
N	2100		

DM 312
Mean Grade = 2.71 S.D. = 1.05

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>β</u>
Year of Course: 75	-.20	.28	-.09
74	-.23	.28	-.10
73	-.51	.28	-.18
72	-.53	.29	-.11
71	-.50	.30	-.08
GPA	1.07	.04	.57
Hours Attempted	.0007	.0009	.03
Accounting	.25	.10	.10
Transfer GPA	-.04	.02	-.05
Spring Qtr.	-.07	.06	-.03
Class Standing	.07	.06	.04
Management	.10	.10	.04
Female	.08	.06	.02
Fall Qtr.	.04	.05	.02
Math	.59	.50	.02
Minority	-.06	.07	-.02
Missing Data-H.S. Yr.	.09	.08	.03
Veteran	.03	.04	.01
Finance	.22	.12	.05
SAT-Verbal	-.0006	.0004	-.03
SAT-Math	.0005	.0004	.03
Missing Data-H.S. GPA	.07	.07	.02
General Studies	.55	.51	.02
Biology	.51	.51	.02
Studio	.82	.87	.02
Criminal Justice	-.42	.88	-.009
H.S. GPA	-.02	.04	-.01
Psychology	.62	.86	.01
Economics	.19	.14	.03
Marketing	.16	.11	.05
Undeclared	.14	.11	.05
Real Estate	.15	.13	.03
Summer Qtr.	-.02	.05	-.008
Journalism	.21	.61	.006
Missing Data-Age	-.05	.13	-.009
Age	-.002	.005	-.009
Business Education	.17	.51	.006
Missing Data-Verbal	.25	.50	.12
Missing Data-Math	-.24	.50	-.11
Music	.2	.87	.005
Secondary Education	.19	.87	.004
Hours Transferred	-.0002	.001	-.009
Anthropology	-.17	.86	-.004
Constant	.20		
R^2	.35		
Standard Error of Estimate	.86		
N	1988		

CHEM 117
Mean Grade = 2.70

S.D. = 1.13

<u>Regressors</u>	<u>Estimator</u>	<u>Standard Error of Estimator</u>	<u>β</u>
Year of Course: 75	.96	.53	.37
74	.67	.42	.27
73	.47	.51	.17
72	.41	.52	.13
71	.67	.52	.16
GPA	.76	.09	.41
Fall Qtr.	.26	.10	.11
Political Science	-1.72	.70	-.10
Medical Technology	.26	.19	.06
Missing Data-Math	.25	.13	.11
Secondary Education	-1.16	.59	-.08
Veteran	.25	.12	.11
Psychology	.21	.23	.04
SAT-Math	.002	.0009	.12
Criminal Justice	.73	.51	.06
Real Estate	-.98	.73	-.06
Sociology	-1.54	.99	-.06
Marketing	-.66	.45	-.06
Nursing	.49	.51	.04
History	-.72	.58	-.05
English	-.49	.37	-.06
Hours Attempted	.003	.002	.12
Accounting	-.36	.36	-.04
Social Welfare	-.64	.72	-.04
Missing Data-Age	.38	.31	.06
Yrs. Since H.S.	.01	.03	.03
Minority	-.16	.16	-.05
Management	.37	.72	.02
SAT-Verbal	-.0006	.0008	-.04
Special Education	-.30	.42	-.03
Undeclared	-.15	.18	-.04
Class Standing	-.09	.14	-.06
Music	.57	1.01	.02
H.S. GPA	.07	.14	.02
Biology	-.07	.13	-.03
Anthropology	-.31	.58	-.02
Math	-.10	.24	-.02
Age	.01	.02	.04
Hours Transferred	.001	.002	.03
Journalism	-.31	.99	-.01
Finance	.19	.58	.01
Female	.02	.11	.009
Studio	.10	.007	.48
Constant	-1.91		
R^2	.34		
Standard Error of Estimate	.97		
N	456		

B.Ed. 236
Mean Grade = 2.70 S.D. = .92

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>β</u>
Year of Course: 75	-.12	.17	-.04
74	.07	.18	.02
73	-.06	.25	-.01
71	-.01	.09	-.008
GPA	.82	.08	.50
Sociology	-2.31	.80	-.13
Journalism	1.19	.46	.11
Elementary Education	-.74	.40	-.08
Economics	-.11	.33	-.02
Veteran	-.16	.08	-.10
Missing Data-H.S. GPA	-.43	.17	-.19
Yrs. Since H.S.	.05	.02	.27
Age	-.04	.01	-.24
H.S. GPA	.25	.17	.07
General Studies	-.62	.37	-.08
Accounting	-.06	.15	-.02
Biology	.73	.56	.06
Real Estate	-.04	.23	-.01
Undeclared	-.04	.16	-.01
Transfer GPA	.10	.06	.09
Missing Data-Verbal	.08	.13	.04
Music	.94	.81	.05
Missing Data-H.S. Yrs.	.11	.15	.04
Criminal Justice	-.18	.32	-.03
Spring Qtr.	-.18	.14	-.05
Finance	.30	.26	.05
SAT-Verbal	.002	.001	.09
SAT-Math	-.002	.001	-.09
Secondary Education	-.68	.78	-.04
English	.52	.56	.04
Psychology	.42	.40	.05
Hours Transferred	-.002	.002	-.05
Management	.14	.14	.07
Marketing	.15	.20	.04
History	.53	.77	.03
Special Education	-.42	.59	-.03
Winter Qtr.	-.05	.09	-.03
Missing Data-Age	.17	.29	.03
Class Standing	-.02	.13	-.02
Political Science	.22	.77	.01
Business Education	.04	.18	.01
Minority	.02	.12	.008
Female	-.02	.13	-.01
Hours Attempted	-.0002	.002	-.01
Constant	1.25		
R^2	.41		
Standard Error of Estimate	.75		
N	395		

IS 302
Mean Grade = 2.70 S.D. = 1.14

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>B</u>
Year of Course: 75	.62	.53	.27
74	.66	.52	.26
73	.65	.55	.17
72	.57	.56	.14
71	.83	.54	.21
GPA	.88	.15	.50
H.S. GPA	.53	.25	.16
Spring Qtr.	-.52	.26	-.16
SAT-Math	-.004	.002	-.22
History	-1.67	1.11	-.10
Fall Qtr.	-.28	.21	-.11
Math	-.32	.22	-.12
Hours Transferred	-.002	.004	-.08
Secondary Education	.42	.56	.05
Marketing	-.65	.54	-.08
Missing Data-Verbal	-.39	.27	-.17
Biology	-.68	.74	-.06
Management	-.27	.25	-.08
English	-1.08	.90	-.10
Missing Data-H.S. GPA	.28	.33	.09
Hours Attempted	.002	.003	.09
Female	.16	.23	.06
Missing Data-H.S. Yr.	.14	.21	.05
Anthropology	.59	1.07	.04
Psychology	-.16	.34	-.03
Finance	-.18	.42	-.03
Economics	-.19	.45	-.03
SAT-Verbal	.0009	.002	.04
Age	.006	.02	.03
General Studies	.44	1.11	.03
Winter Qtr.	-.06	.20	-.03
Class Standing	.05	.23	.03
Transfer GPA	-.03	.09	-.03
Political Science	.23	1.05	.01
Accounting	.05	.30	.01
Minority	-.03	.24	-.01
Constant	-.54		
R ²	.38		
Standard Error of Estimate	1.00		
N	195		

CHEM 118
Mean Grade = 2.69 S.D. = 1.12

<u>Regressors</u>	<u>Estimator</u>	<u>Standard Error of Estimator</u>	<u>B</u>
Year of Course: 75	1.10	.68	.45
74	1.08	.67	.44
73	.54	.67	.21
72	.40	.67	.11
71	.71	.68	.14
GPA	.90	.10	.51
Accounting	-1.34	.48	-.13
Age	.02	.03	.07
Hours Transferred	-.003	.003	-.11
Psychology	-.59	.28	-.11
H.S. GPA	-.31	.18	-.08
Winter Qtr.	-.20	.16	-.08
SAT-Verbal	.0007	.0009	.05
Hours Attempted	.002	.003	.10
Economics	1.12	.95	.06
Studio	.64	.98	.03
Biology	-.16	.15	-.07
Criminal Justice	-.68	.56	-.06
Missing Data H.S. Years	.39	.21	.12
Missing Data-Age	-.29	.34	-.06
Secondary Education	-.93	.93	-.05
Summer Qtr.	-.11	.16	-.05
Minority	-.15	.19	-.05
Nursing	-.75	.93	-.04
History	-.43	.57	.04
Marketing	-.51	.67	-.04
English	-.42	.67	-.03
Special Education	.31	.67	.02
Transfer GPA	.04	.07	.05
Female	.06	.13	.02
Yrs. Since H.S.	.01	.03	.04
Social Welfare	-.35	.93	-.02
Math	-.09	.30	-.02
Class Standing	.05	.15	.03
Undeclared	.04	.21	.01
Missing Data-Verbal	.06	.18	.03
SAT-Math	.0003	.001	.02
Spring Qtr.	.03	.18	.01
Anthropology	.11	.67	.008
Missing Data-H.S. GPA	-.03	.22	-.01
Medical Technology	-.03	.19	-.009
Finance	-.08	.56	-.007
Veteran	.02	.14	.009
Constant	-.01		
R ²	.45		
Standard Error of Estimate	.89		
N	312		

UL 495
Mean Grade = 2.68 S.D. = .79

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>β</u>
Year of Course: 75	-1.40	.71	-.69
74	-1.51	.71	-.63
73	-1.56	.73	-.38
72	-1.26	.84	-.14
71	-1.78	.78	-.27
GPA	.98	.10	.60
Transfer GPA	-.11	.05	-.18
SAT-Verbal	.002	.0009	.13
Hours Attempted	.006	.003	.33
Class Standing	-.49	.20	-.23
Hours Transferred	.004	.003	.21
Accounting	-1.01	.66	-.08
Marketing	.96	.70	.07
Social Welfare	.04	.14	.02
Summer Qtr.	.10	.12	.06
Missing Data-Verbal	-.12	.11	-.07
Missing Data-Age	.34	.30	.08
Age	.02	.009	.11
Yrs. Since H.S.	-.01	.008	-.10
Missing Data-H.S. Yr.	-.15	.17	-.06
Criminal Justice	-.10	.10	-.06
History	-.40	.67	-.03
Undeclared	-.11	.18	-.04
Missing Data-H.S. GPA	.15	.19	.06
SAT-Math	-.0004	.0008	-.04
H.S. GPA	-.11	.23	-.03
Fall Qtr.	-.03	.12	-.02
Veteran	.03	.09	.02
Female	.03	.11	.01
Spring Qtr.	.02	.12	.01
Psychology	.11	.67	.009
Constant	1.76		
R^2	.43		
Standard Error of Estimate	.64		
N	265		

EC 202
Mean Grade = 2.67 S.D. = .98

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	.74	.14	.34
74	.72	.13	.32
73	.67	.13	.29
72	.48	.13	.16
71	.28	.14	.07
GPA	.92	.03	.56
Criminal Justice	-.15	.08	-.03
Accounting	.32	.06	.13
Elementary Education	.44	.10	.08
Missing Data-Verbal	.07	.05	.04
Female	-.14	.04	-.06
Political Science	-.21	.13	-.03
SAT-Verbal	.0008	.0003	.05
Spring Qtr.	.14	.05	.05
Nursing	1.27	.56	.04
Math	.38	.18	.04
Studio	.65	.28	.04
Undeclared	.19	.06	.07
Marketing	.22	.08	.06
Summer Qtr.	.08	.04	.04
Hours Attempted	.0002	.0008	.01
Management	.14	.06	.05
Sociology	.38	.23	.03
Finance	.17	.11	.03
Minority	.08	.05	.03
Missing Data-H.S. GPA	.10	.06	.05
Transfer GPA	-.03	.02	-.04
Missing Data-H.S. Yr.	-.07	.06	-.02
Elementary Education	-.35	.32	-.02
Journalism	.23	.21	.02
H.S. GPA	.04	.04	.02
Social Welfare	-.11	.14	-.01
Business Education	.11	.12	.02
Real Estate	.09	.10	.02
Biology	.15	.20	.01
Class Standing	.04	.05	.03
Early Childhood Education	-.55	.79	-.01
Medical Technology	-.38	.56	-.01
History	-.12	.19	-.01
General Studies	.07	.20	.006
Hours Transferred	-.0003	.0009	-.01
Missing Data-Age	-.04	.10	-.007
English	-.09	.30	-.005
Secondary Education	-.09	.39	-.004
SAT-Math	-.00007	.0003	-.005
Music	.08	.56	.002
Yrs. Since H.S.	.002	.007	.01
Age	-.002	.007	-.01
Constant	-1.09		
R ²	.38		
Standard Error of Estimate	.78		
N	2364		

POLS 414
Mean Grade = 2.67 S.D. = .96

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	1.08	.56	.55
74	.93	.56	.46
73	.70	.56	.30
72	.86	.57	.22
71	1.47	.59	.22
GPA	.97	.06	.56
Fall Qtr.	.37	.09	.16
Hours Transferred	-.002	.002	-.11
Marketing	1.35	.46	.09
Missing Data-H.S. Yr.	.06	.12	.02
History	.63	.32	.06
Minority	.09	.08	.04
Spring Qtr.	.14	.09	.06
Real Estate	-1.11	.77	-.04
Social Welfare	-.14	.11	-.04
Class Standing	.06	.10	.03
Veteran	-.09	.07	-.06
SAT-Math	.0006	.0005	.04
Studio	.75	.81	.03
Missing Data-H.S. GPA	.15	.11	.06
Yrs. Since H.S.	-.01	.009	-.05
H.S. GPA	-.09	.09	-.04
Journalism	.30	.30	.03
Math	.61	.78	.02
Female	.05	.08	.02
Political Science	.06	.11	.02
Summer Qtr.	.05	.08	.03
English	.31	.55	.02
Missing Data-Age	.13	.20	.02
Age	.005	.009	.03
Transfer GPA	-.01	.03	-.02
Management	-.24	.46	-.02
Hours Attempted	.0006	.001	.03
Elementary Education	.31	.78	.01
Accounting	.17	.55	.01
Economics	.11	.39	.009
Missing Data-Verbal	-.45	.78	-.24
Missing Data-Math	.43	.77	.22
Criminal Justice	-.02	.07	-.01
Undeclared	-.02	.12	-.005
Psychology	-.04	.30	-.004
Sociology	.07	.56	.004
Secondary Education	.04	.28	.004
Medical Technology	-.09	.78	-.004
Constant	-1.14		
R ²	.40		
Standard Error of Estimate	.76		
N	687		

MK 301
Mean grade = 2.67 S.D. = .93

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	.45	.18	.22
74	.56	.18	.27
73	.40	.17	.19
72	.15	.18	.05
71	.16	.19	.03
GPA	.86	.03	.54
Marketing	.32	.07	.01
Hours Attempted	.001	.0005	.06
Minority	.08	.05	.03
Accounting	.18	.07	.08
SAT-Math	-.0008	.0003	-.06
Spring Qtr.	-.11	.05	-.05
Elementary Education	-1.17	.45	-.04
Biology	.62	.26	.04
Undeclared	.13	.07	.05
Female	.10	.04	.04
Criminal Justice	-.35	.19	-.03
Psychology	.36	.19	.03
Transfer GPA	-.01	.02	-.02
English	-.43	.28	-.03
Social Welfare	-.83	.55	-.02
Nursing	-.73	.55	-.02
Business Education	-.11	.13	-.02
Missing Data-Age	.09	.10	.02
Yrs. Since H.S.	.004	.003	.02
Secondary Education	-.65	.55	-.02
Medical Technology	.67	.55	.02
History	-.22	.24	-.02
Special Education	-.77	.77	-.02
SAT-Verbal	.0003	.0003	.02
Political Science	-.17	.24	-.01
Early Childhood Education	-.54	.77	-.01
Journalism	.11	.10	.02
Missing Data-H.S. Yr.	.04	.06	.01
Real Estate	.09	.09	.02
Summer Qtr.	.01	.04	.007
Music	-.37	.77	-.008
General Studies	.22	.35	.01
Management	.05	.06	.02
Economics	.07	.11	.01
H.S. GPA	-.01	.03	-.009
Math	.14	.32	.007
Missing Data-Math	.64	.39	.34
Missing Data-Verbal	-.62	.39	-.33
Finance	.03	.09	.007
Fall Qtr.	-.01	.04	-.006
Anthropology	.12	.55	.004
Missing Data-H.S. GPA	-.009	.06	-.004
Hours Transferred	-.00008	.0006	-.003
Veteran	.004	.03	.003
Sociology	-.05	.39	-.002
Constant	.10		
R^2	.34		
Standard Error of Estimate	.7		
N	2543		

PHYS 250
Mean Grade = 2.66 S.D. = 1.06

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 74	-.13	.10	-.05
73	-.35	.12	-.15
72	-.67	.25	-.11
GPA	1.21	.07	.72
Elementary Education	-2.31	.71	-.16
Winter Qtr.	-.32	.12	-.14
Fall Qtr.	-.36	.15	-.12
Veteran	-.11	.09	-.06
SAT-Math	.002	.0008	.11
Undeclared	-.83	.57	-.12
Medical Technology	.74	.70	.05
Criminal Justice	.50	.86	.02
Transfer GPA	-.04	.04	-.05
SAT-Verbal	-.0009	.0008	-.05
Female	-.23	.16	-.06
Yrs. Since H.S.	-.02	.02	-.12
Age	.02	.02	.09
Missing Data-Age	-.27	.21	-.07
Missing Data-H.S. GPA	.07	.14	.03
Minority	.05	.10	.02
Missing Data-H.S. Yr.	.12	.14	.04
Hours Attempted	.003	.002	.10
Class Standing	-.09	.10	-.07
Sociology	-.47	.64	-.04
Nursing	-.24	.50	-.07
Accounting	-.56	.87	-.03
English	-.49	.87	-.02
H.S. GPA	.06	.09	.02
Hours Transferred	.0009	.002	.04
Spring Qtr.	-.04	.12	-.02
Missing Data-Verbal	.02	.11	.007
Biology	-.03	.64	-.002
General Studies	-.17	.86	-.009
Psychology	-.10	.56	-.01
Business Education	-.15	.86	-.007
Constant	-.53		
R ²	.63		
Standard Error of Estimate	.68		
N	358		

GER 201
Mean Grade = 2.65 S.D. = 1.04

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	-.17	.33	-.08
74	-.13	.31	-.06
73	.26	.32	.10
71	-.52	.42	-.13
GPA	1.14	.16	.59
Spring Qtr.	.59	.21	.22
Transfer GPA	-.13	.08	-.18
Psychology	-.02	.22	-.006
Management	1.35	.93	.10
Missing Data-Age	-.32	.64	-.04
Fall Qtr.	.34	.26	.10
Female	.24	.17	.11
Sociology	-.78	.39	-.15
Age	.02	.03	.11
Studio	-.86	.51	-.13
Anthropology	-.74	.40	-.13
English	-.50	.25	-.15
History	-.50	.34	-.12
Music	-.72	.43	-.12
Journalism	-.40	.33	-.10
H.S. GPA	-.26	.24	-.09
Political Science	-.61	.41	-.12
Math	-.53	.47	-.08
Veteran	.12	.18	.05
Undeclared	-.44	.53	-.06
SAT-Math	.001	.001	.09
Accounting	-.68	.67	-.08
SAT-Verbal	-.0008	.001	-.06
Summer Qtr.	.12	.19	.05
Hours Attempted	.0004	.003	.02
Economics	-.21	.35	-.05
Missing Data-H.S. Yr.	-.14	.33	-.04
Missing Data-H.S. GPA	.10	.28	.05
Nursing	-.32	.95	-.02
Early Childhood Education	-.22	.93	-.02
Biology	-.08	.48	-.01
Yrs. Since H.S.	-.004	.02	-.03
Class Standing	.05	.19	.03
Hours Transferred	-.0006	.003	-.03
Missing Data-Math	-.03	.24	-.01
Constant	-.86		
R ²	.51		
Standard Error of Estimate	.84		
N	162		

INS 350
Mean Grade = 2.65 S.D. = .96

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	.08	.08	.04
74	.03	.08	.01
73	-.02	.09	-.007
71	-.12	.14	-.02
GPA	.94	.04	.55
Accounting	.10	.07	.04
Hours Attempted	.002	.0006	.09
Criminal Justice	-1.29	.38	-.07
SAT-Verbal	.0007	.0004	.05
Psychology	-.74	.26	-.06
Missing Data-H.S. Yr.	.25	.08	.08
Minority	-.23	.07	-.08
Yrs. Since H.S.	.02	.007	.09
Management	-.22	.07	-.10
Summer Qtr.	.11	.06	.05
Missing Data-Verbal	-.22	.54	-.11
Real Estate	-.28	.10	-.06
Marketing	-.20	.08	-.07
Missing Data-Age	.27	.14	.05
Undeclared	-.11	.08	-.04
Special Education	-1.09	.76	-.03
Fall Qtr.	.08	.06	.03
Sociology	.56	.53	.02
Medical Technology	.76	.75	.02
Missing Data-H.S. GPA	-.09	.07	-.03
Transfer GPA	.03	.02	.04
Veteran	.04	.04	.02
Math	.27	.34	.02
H.S. GPA	.03	.04	.02
Studio	-.54	.75	-.01
Journalism	-.51	.75	-.01
Secondary Education	-.34	.53	-.01
Hours Transferred	-.0004	.0007	-.02
History	.26	.53	.01
Economics	-.08	.18	-.01
Female	.02	.06	.008
Political Science	-.12	.29	-.008
English	.25	.76	.007
Age	-.002	.007	-.01
Missing Data-Math	.15	.54	.08
General Studies	.07	.38	.004
SAT-Math	-.00007	.0004	-.005
Business Education	-.04	.24	-.003
Winter Qtr.	.008	.06	.004
Constant	-.37		
R ²	.42		
Standard Error of Estimate	.74		
N	1482		

EC 360
Mean Grade = 2.65 S.D. = .86

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>β</u>
Year of Course: 75	.63	.41	.35
74	.51	.41	.28
73	.46	.41	.21
72	.46	.42	.15
71	.39	.43	.09
GPA	.90	.05	.59
Hours Attempted	.002	.001	.10
Biology	-.259	.69	-.11
Economics	.40	.12	.10
Fall Qtr.	-.14	.07	-.06
General Studies	1.73	.69	.07
Spring Qtr.	-.10	.07	-.05
Special Education	-1.16	.50	-.07
Marketing	.37	.19	.05
Management	.29	.15	.06
Finance	-.78	.48	-.04
Journalism	-.72	.49	-.04
Missing Data-Math	.34	.40	.20
Winter Qtr.	.10	.06	.05
Nursing	.72	.70	.03
H.S. GPA	.08	.06	.04
Transfer GPA	-.02	.03	-.03
Music	-.57	.49	-.03
Real Estate	.29	.28	.03
Secondary Education	.59	.68	.02
Age	-.008	.008	-.05
Missing Data-Verbal	-.30	.40	-.18
Missing Data-H.S. Yr.	.11	.10	.04
Social Welfare	.04	.09	.01
Accounting	.10	.19	.02
Political Science	-.28	.35	-.02
Hours Transferred	-.0007	.001	-.04
Yrs. Since H.S.	.004	.008	.03
Missing Data-Age	-.11	.16	-.03
Undeclared	-.05	.09	-.02
Criminal Justice	-.03	.06	-.01
Minority	.04	.07	.02
SAT-Verbal	.0001	.0005	.01
Math	-.15	.40	-.01
Psychology	-.11	.32	-.01
Sociology	.12	.35	.01
Class Standing	.02	.07	.02
Female	-.01	.07	-.006
Veteran	-.01	.05	-.007
SAT-Math	.00008	.0005	.006
History	.04	.31	.004
Constant	-.61		
R^2	.42		
Standard Error of Estimate	.67		
N	811		

SPAN 102
Mean Grade = 2.64 S.D. = 1.05

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>B</u>
Year of Course: 75	-.76	.70	-.35
74	-.50	.71	-.22
73	-.26	.71	-.09
72	-.33	.71	-.09
71	-.33	.72	-.07
GPA	1.07	.08	.61
Age	-.03	.02	-.14
Spring Qtr.	.35	.13	.10
Special Education	-1.10	.39	-.11
Transfer GPA	-.02	.05	-.02
SAT-Verbal	-.002	.0008	-.10
H.S. GPA	.26	.13	.08
Missing Data-H.S. GPA	-.27	.13	-.12
Hours Attempted	-.001	.001	-.05
Biology	.18	.21	.04
Business Education	1.06	.83	.05
Female	.16	.10	.08
Veteran	-.08	.09	-.04
Psychology	-.27	.17	-.08
Missing Data-H.S. Yr.	.14	.18	.04
Summer Qtr.	-.16	.12	-.05
Economics	-.30	.21	-.06
Secondary Education	-.87	.71	-.06
Medical Technology	-.68	.60	-.04
Math	-.63	.60	-.04
Social Welfare	-.87	.86	-.04
Music	.56	.84	.02
Elementary Education	-.29	.29	-.04
Journalism	-.12	.15	-.04
Sociology	-.14	.19	-.03
Studio	-.27	.41	-.03
Criminal Justice	-.59	.85	-.03
Marketing	-.34	.60	-.02
Missing Data-Age	.15	.32	.02
History	-.12	.21	-.02
Early Childhood Education	-.39	.84	-.02
Management	.19	.61	.01
English	-.07	.19	-.02
Accounting	-.13	.34	-.02
Undeclared	-.07	.22	-.01
Hours Transferred	-.0005	.002	-.02
Yrs. Since H.S.	.008	.03	.03
Anthropology	.03	.22	.006
SAT-Math	.0002	.0008	.01
Nursing	-.07	.43	-.006
Political Science	-.07	.18	-.005
Constant	1.38		
R ²	.46		
Standard Error of Estimate	.82		
N	446		

SOC 201
Mean Grade = 2.64 S.D. = .95

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>B</u>
Year of Course: 75	.40	.05	.18
74	.08	.05	.04
73	.02	.04	.007
71	.15	.06	.04
GPA	.90	.03	.60
Elementary Education	-.33	.08	-.07
Spring Qtr.	-.20	.05	-.07
SAT-Verbal	.0009	.0002	.07
Missing Data- H.S. Yr.	.22	.05	.07
Early Childhood Education	-.29	.11	-.04
Winter Qtr.	.07	.04	.03
Sociology	.31	.10	.05
EAT-Math	-.0003	.0002	-.03
Journalism	.19	.08	.04
Social Welfare	.30	.14	.03
Nursing	.10	.06	.03
Criminal Justice	.14	.07	.03
Minority	.07	.04	.03
Missing Data-Age	-.16	.10	-.03
Business Education	-.20	.14	-.02
History	.19	.11	.03
Missing Data-H.S. GPA	-.05	.05	-.03
General Studies	-.11	.11	-.02
Special Education	-.10	.10	-.02
Secondary Education	-.09	.10	-.01
Female	.04	.03	.02
Missing Data-Verbal	.15	.26	.07
Marketing	.12	.08	.02
Psychology	.10	.07	.02
Fall Qtr.	-.05	.04	-.02
Biology	.13	.10	.02
Hours Attempted	.001	.0008	.05
Class Standing	-.04	.04	-.04
Finance	-.08	.13	-.009
Real Estate	.15	.14	.02
Accounting	.06	.06	.02
English	.10	.11	.01
Hours Transferred	.0006	.0009	.02
Medical Technology	.12	.16	.01
Music	.19	.28	.01
Math	.09	.14	.009
Economics	.07	.12	.01
Anthropology	.09	.16	.009
Missing Data-Math	-.11	.26	-.05
Age	-.006	.005	-.03
Yrs. Since H.S.	.006	.005	.03
Undeclared	.02	.05	.008
Political Science	.04	.10	.006
Management	.02	.06	.005
Veteran	-.008	.04	-.004
H.S. GPA	.004	.03	.002
Constant	-.002		
R ²	.42		
Standard Error of Estimate	.73		
N	283		

RT 245
Mean Grade = 2.63

S.D. = .89

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>β</u>
Year of Course: 75	.17	.19	.10
73	-.80	.25	-.38
72	-.61	.31	-.23
GPA	1.08	.15	.63
Fall Qtr.	-1.49	.31	-.43
SAT-Verbal	.003	.001	.21
Elementary Education	-1.25	.47	-.20
Minority	-.46	.25	-.17
Hours Attempted	.003	.003	.17
Missing Data-H.S. Yr.	.33	.27	.11
H.S. GPA	-.33	.29	-.09
Undeclared	.70	.83	.08
Veteran	.20	.20	.09
Age	.006	.02	.03
Transfer GPA	-.06	.08	-.10
Accounting	.30	.67	.03
Female	-.03	.17	-.02
Missing Data-H.S. GPA	.06	.26	.03
Missing Data-Age	.22	.81	.02
Yrs. Since H.S.	.004	.01	.03
Class Standing	.04	.16	.03
Nursing	-.05	.29	-.02
Psychology	-.09	.69	-.01
Missing Data-Verbal	.02	.16	.01
Constant	-.17		
R^2	.63		
Standard Error of Estimate	.62		
N	102		

PSY 201
Mean Grade = 2.62 S.D. = 1.05

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>β</u>
Year of Course: 75	.48	.10	.19
74	.34	.10	.14
73	.23	.10	.09
72	.24	.09	.09
71	.10	.10	.03
GPA	1.00	.03	.59
Spring Qtr.	-.36	.05	-.11
Psychology	.27	.07	.06
Biology	.32	.09	.05
Summer Qtr.	.11	.04	.05
Early Childhood Education	-.36	.11	-.05
Class Standing	.05	.04	.05
Special Education	-.20	.09	-.03
Studio	-.22	.11	-.03
Journalism	-.18	.09	-.03
Elementary Education	-.20	.10	-.03
Hours Transferred	-.003	.0009	-.09
Hours Attempted	-.002	.0007	-.08
Missing Data-H.S. GPA	.06	.05	.03
Medical Technology	.16	.11	.02
History	-.22	.13	-.02
Music	-.37	.23	-.02
Minority	-.06	.04	-.02
Female	.02	.03	.01
Winter Qtr.	-.05	.04	-.02
Criminal Justice	.06	.07	.01
Undeclared	.03	.06	.01
Nursing	.04	.03	.02
Sociology	-.14	.11	-.02
Missing Data-Age	-.09	.11	-.01
Business Education	-.15	.14	-.01
Real Estate	-.13	.14	-.01
Accounting	-.06	.06	-.02
Math	.07	.13	.008
SAT-Math	-.0003	.0002	-.02
SAT-Verbal	.0003	.0002	.02
Social Welfare	-.11	.13	-.01
Transfer GPA	.01	.02	.01
English	-.07	.10	-.01
Secondary Education	-.08	.12	-.009
Economics	-.05	.12	-.006
Missing Data-H.S. Yr.	.03	.05	.008
Marketing	-.05	.09	-.007
Political Science	-.05	.11	-.007
Management	-.03	.07	-.007
Anthropology	.02	.14	.002
Veteran	.009	.04	.004
Yrs. Since H.S.	.0006	.003	.003
Finance	-.02	.15	-.002
General Studies	-.01	.12	-.002
Missing Data-Verbal	1.15	.82	.52
Missing Data-Math	-1.14	.82	-.52
Constant	-.26		
R^2	.41		
Standard Error of Estimate	.81		
N	3353		

PHIL 201
Mean Grade = 2.61 S.D. = .94

Regressors	Estimators	Standard Error of Estimator	β
Year of Course: 75	.008	.25	.004
74	-.03	.25	-.01
73	-.20	.25	-.09
72	-.16	.25	-.05
71	.18	.26	.04
GPA	.96	.04	.61
Transfer GPA	-.002	.02	-.003
Summer Qtr.	-.11	.05	-.06
Spring Qtr.	-.12	.07	-.04
Marketing	-.21	.13	-.04
Sociology	.29	.13	.05
English	.19	.10	.05
SAT-Verbal	.0003	.0003	.03
Female	.09	.05	.05
Studio	.27	.14	.04
Economics	.29	.17	.04
SAT-Math	.0004	.0003	.03
Hours Attempted	.0004	.001	.02
Missing Data-H.S. Yr.	.13	.07	.05
Secondary Education	-.22	.19	-.03
Real Estate	-.26	.22	-.02
Music	-.30	.25	-.03
Management	-.05	.10	-.01
History	.19	.13	.03
Hours Transferred	-.001	.001	-.05
Missing Data-Math	.01	.52	.008
Age	-.01	.007	-.07
H.S. GPA	-.07	.05	-.03
Biology	.23	.15	.03
Yrs. Since H.S.	.01	.008	.06
Math	.23	.21	.02
Finance	.21	.21	.02
Undeclared	.08	.08	.03
Criminal Justice	.10	.10	.02
Psychology	.07	.08	.02
Veteran	.03	.05	.02
Early Childhood Education	-.12	.21	-.01
Fall Qtr.	.03	.05	.01
Class Standing	.03	.05	.02
General Studies	.09	.19	.01
Anthropology	-.06	.19	-.007
Political Science	-.05	.14	-.007
Minority	.02	.06	.009
Missing Data-Age	-.04	.12	-.009
Journalism	-.02	.11	-.004
Social Welfare	.04	.15	.006
Nursing	.03	.09	.008
Medical Technology	.05	.25	.004
Elementary Education	.03	.19	.004
Missing Data-Verbal	.08	.52	.04
Business Education	.03	.21	.003
Missing Data-H.S. GPA	-.008	.07	-.004
Accounting	.009	.08	.003
Constant	-.04		
R	.44		
Standard Error of Estimate	.72		
N	1368		

A-84

MATH 107
Mean Grade = 2.61 S.D. = 1.21

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 74	-.04	.07	-.01
73	-.23	.08	-.06
72	-.41	.10	-.11
GPA	1.19	.06	.59
Medical Technology	.61	.16	.09
Yrs. Since H.S.	-.007	.01	-.03
Fall Qtr.	-.23	.07	-.08
Biology	.39	.18	.05
SAT-Verbal	-.002	.0005	-.11
SAT-Math	.002	.0005	.09
Journalism	-.46	.17	-.07
Criminal Justice	-.24	.10	-.06
Political Science	-.33	.15	-.06
Minority	-.14	.08	-.04
Elementary Education	-.55	.26	-.05
Early Childhood Education	-.73	.32	-.05
Missing Data-H.S. GPA	-.23	.10	-.09
H.S. GPA	.18	.07	.06
Class Standing	.04	.05	.03
Math	.45	.29	.04
Accounting	.33	.24	.03
Female	-.10	.06	-.04
Veteran	.08	.07	.03
Nursing	.29	.25	.03
Management	.36	.30	.03
Finance	.84	.66	.03
Winter Qtr.	-.09	.07	.03
Music	-.32	.23	-.03
General Studies	-.23	.19	-.03
English	-.29	.24	-.03
Studio	.22	.25	.02
Sociology	-.19	.15	-.03
Missing Data-Math	-.007	.42	-.003
Business Education	-.19	.16	-.03
Social Welfare	-.15	.16	-.02
Economics	-.17	.19	-.02
Anthropology	-.19	.26	-.02
Secondary Education	.14	.22	.01
Age	-.007	.01	-.03
Hours Attempted	.0007	.001	.03
Real Estate	.22	.42	.01
Missing Data-Age	-.09	.19	-.01
Transfer GPA	.01	.03	.01
Special Education	-.09	.29	-.007
Marketing	-.09	.36	-.006
Missing Data-Verbal	.11	.42	.04
Undeclared	-.02	.12	-.005
Missing Data-H.S. Yr.	.02	.11	.006
Psychology	.01	.09	.003
Constant	-.72		
R ²	.45		
Standard Error of Estimate	.92		
N	1154		

SOC 400
Mean Grade = 2.60 S.D. = .81

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>B</u>
Year of Course: 75	-.17	.14	-.10
74	-.30	.14	-.17
73	-.02	.14	-.01
71	-.09	.25	-.01
GPA	.88	.05	.60
Transfer GPA	-.08	.03	-.13
Fall Qtr.	.20	.07	.11
Political Science	.67	.29	.07
Criminal Justice	-.17	.06	-.10
Elementary Education	-1.39	.64	-.07
Music	1.08	.68	.05
Real Estate	-.94	.64	-.04
Missing Data-H.S. Yr.	.10	.10	.04
SAT-Verbal	.0005	.0005	.05
Undeclared	-.16	.10	-.05
Management	-.45	.38	-.04
Class Standing	-.11	.08	-.08
Winter Qtr.	-.05	.07	-.03
Age	-.008	.007	-.05
SAT-Math	-.0005	.0005	-.04
Social Welfare	-.10	.09	-.04
Sociology	-.09	.10	-.03
Hours Transferred	.002	.001	.10
Marketing	-.30	.32	-.03
Minority	.08	.07	.04
Hours Attempted	.001	.001	.06
Missing Data-Math	.96	.37	.59
Missing Data-Verbal	-.92	.38	-.57
Missing Data-H.S. GPA	-.08	.10	-.04
Yrs. Since H.S.	.004	.007	.03
Female	.04	.06	.02
English	.32	.64	.02
H.S. GPA	.03	.07	.02
Journalism	.25	.46	.02
History	-.17	.37	-.01
Veteran	-.02	.05	-.01
Psychology	.05	.14	.01
Math	.22	.64	.01
Nursing	.05	.21	.008
Economics	-.11	.64	.005
Early Childhood Education	-.11	.64	-.005
Spring Qtr.	.01	.07	.007
Missing Data-Age	.03	.15	.007
Accounting	.05	.32	.005
Constant	.99		
R ²	.44		
Standard Error of Estimate	.63		
N	678		

GER 202
Mean Grade = 2.60

S.D. = .91

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>B</u>
Year of Course: 75	1.04	.57	.57
74	.95	.56	.48
73	1.11	.61	.44
72	.17	.53	.05
GPA	.82	.17	.44
Missing Data-H.S. GPA	-.66	.31	-.32
Female	.20	.19	.11
Math	1.50	.54	.26
Undeclared	.40	.32	.10
Biology	1.28	.79	.13
Minority	-.99	.50	-.17
History	-.58	.32	-.17
Winter Qtr.	.64	.28	.23
Sociology	-.78	.33	-.20
Missing Data-H.S. Yr.	.63	.36	.22
Age	.02	.02	.16
Accounting	1.07	.81	.11
H.S. GPA	-.23	.28	-.08
Hours Attempted	-.00006	.003	-.003
Studio	.40	.50	.07
Nursing	.70	.91	.07
Political Science	-.69	.62	-.14
Journalism	-.47	.32	-.14
English	-.34	.27	-.12
Finance	-.76	.81	-.08
Spring Qtr.	.14	.16	.07
Marketing	.44	.84	.04
Veteran	-.13	.19	-.06
SAT-Verbal	.0009	.001	.07
Early Childhood Education	-.79	.85	-.08
Psychology	-.22	.26	-.09
Music	-.28	.48	-.05
Missing Data-Verbal	.13	.24	.07
Hours Transferred	.003	.003	.14
Class Standing	-.20	.23	-.14
SAT-Math	.0003	.001	.03
Transfer GPA	.04	.08	.07
Anthropology	.14	.44	.03
Economics	-.12	.38	-.03
Missing Data-Age	.21	.84	.03
Yrs. Since H.S.	-.004	.02	-.03
Constant	.14		
R ²	.60		
Standard Error of Estimate	.71		
N	121		

MT 452
Mean Grade = 2.59 S.D. = .76

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	-.69	.62	-.38
74	-.90	.60	-.59
73	-.95	.61	-.55
GPA	.77	.11	.48
Medical Technology	1.34	.37	.41
Missing Data-H.S. GPA	1.64	.46	.36
Missing Data-Age	.71	.25	.19
Hours Transferred	-.004	.001	-.23
Transfer GPA	.13	.05	.21
H.S. GPA	-1.40	.74	-.17
Yrs. Since H.S.	.008	.02	.03
SAT-Verbal	.002	.0009	.17
SAT-Math	-.002	.0009	-.14
Biology	.35	.48	.08
Missing Data-H.S. Yr.	-.27	.23	-.10
Age	.01	.02	.09
Minority	.19	.26	.06
Veteran	.07	.14	.04
Missing Data-Verbal	.03	.10	.02
Constant	1.91		
R ²	.70		
Standard Error of Estimate	.45		
N	142		

EC 201
Mean Grade = 2.59 S.D. = .98

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	.90	.12	.40
74	.75	.12	.34
73	.67	.11	.28
72	.53	.11	.19
71	.52	.11	.16
GPA	.88	.03	.56
Age	.006	.005	.03
Elementary Education	-.51	.18	-.04
Math	.51	.14	.06
SAT-Verbal	.0007	.0003	.05
Accounting	.23	.06	.09
Winter Qtr.	.11	.04	.05
Spring Qtr.	.15	.05	.05
Undeclared	.21	.06	.08
Finance	.32	.11	.05
Biology	.34	.14	.04
Economics	.25	.10	.04
Missing Data-H.S. GPA	.11	.04	.05
Hours Attempted	.00009	.0008	.005
Social Welfare	-.30	.18	-.03
Management	.13	.06	.05
General Studies	.29	.14	.04
Real Estate	.23	.11	.04
Early Childhood Education	-.37	.25	-.02
Music	.46	.32	.02
Missing Data-H.S. Yr.	.07	.05	.02
Nursing	-.42	.32	-.02
Journalism	-.11	.12	-.02
Anthropology	.29	.23	.02
Secondary Education	-.06	.12	-.008
Special Education	-.13	.20	-.01
History	-.07	.13	-.008
Fall Qtr.	-.04	.04	-.02
Hours Transferred	-.001	.0009	-.05
Class Standing	.06	.04	.05
Female	-.04	.04	-.02
Minority	.04	.05	.02
Studio	-.15	.24	-.01
Sociology	-.04	.14	-.005
Yrs. Since H.S.	.004	.005	.02
Missing Data-Age	-.07	.10	-.01
Veteran	-.02	.04	-.01
Political Science	.11	.11	.02
Psychology	.11	.10	.02
Marketing	.08	.07	.02
Business Education	.10	.11	.02
Criminal Justice	.09	.11	.01
Medical Technology	.16	.24	.01
English	.03	.15	.003
Transfer GPA	-.002	.02	-.002
Constant	-1.18		
R^2	.39		
Standard Error of Estimate	.77		
N	2616		

JOUR 308
Mean Grade = 2.59 S.D. = .82

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>B</u>
Year of Course: 75	.53	.46	.31
74	.57	.45	.34
73	.44	.45	.19
72	.70	.47	.23
71	.50	.51	.10
GPA	.84	.09	.64
Journalism	.28	.11	.17
Economics	-.96	.38	-.14
Spring Qtr.	-.26	.13	-.12
Transfer GPA	-.07	.05	-.11
Missing Data-H.S. GPA	.29	.16	.14
Accounting	.83	.44	.10
Management	-.62	.43	-.08
Secondary Education	-.52	.35	-.08
Fall Qtr.	.16	.16	.06
Class Standing	-.30	.14	-.29
Hours Attempted	.006	.002	.32
Hours Transferred	.005	.003	.25
Missing Data-Math	-.24	.13	-.15
Psychology	.37	.24	.08
Undeclared	.20	.19	.07
Missing Data-Age	-.46	.27	-.12
Minority	.22	.15	.09
Political Science	.46	.44	.06
Marketing	-.21	.38	-.03
Veteran	-.06	.11	-.04
Female	.10	.10	.06
Criminal Justice	-.28	.44	-.03
Missing Data-H.S. Yr.	.03	.15	.01
Medical Technology	-.21	.61	-.02
SAT-Math	.0008	.0009	.07
SAT-Verbal	-.0006	.0009	-.06
Age	.04	.02	.25
Yrs. Since H.S.	-.04	.03	-.22
Early Childhood Education	.25	.62	.02
Summer Qtr.	.02	.11	.02
History	-.13	.43	-.02
English	.05	.19	.01
Constant	-.92		
R ²	.61		
Standard Error of Estimate	.57		
N	200		

PHIL 301
Mean Grade = 2.59 S.D. = 1.09

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>B</u>
Year of Course: 75	.72	.20	.29
74	.41	.20	.16
73	.16	.20	.06
72	.19	.20	.06
71	.13	.21	.03
GPA	.99	.06	.55
Female	.21	.08	.09
Early Childhood Education	-1.25	.46	-.08
Fall Qtr.	-.19	.08	-.08
Real Estate	-1.88	.86	-.06
Economics	-.39	.20	-.06
Biology	.19	.14	.04
Math	.24	.17	.05
Finance	-1.32	.86	-.04
History	.15	.17	.03
Psychology	.02	.11	.007
Winter Qtr.	-.09	.08	-.04
Veteran	.06	.07	.03
Missing Data-Math	.08	.09	.04
Social Welfare	.36	.44	.02
General Studies	-.47	.40	-.04
Class Standing	-.09	.09	-.05
Missing Data- H.S. Yr.	-.11	.11	-.04
Political Science	-.19	.16	-.04
English	-.17	.12	-.05
Special Education	-.31	.26	-.04
Studio	-.24	.19	-.04
Secondary Education	-.33	.34	-.03
Transfer GPA	-.04	.03	-.04
Hours Transferred	.0009	.001	.03
Missing Data-Age	-.15	.20	-.03
Minority	.07	.12	.02
Criminal Justice	-.20	.33	-.02
Missing Data-H.S. GPA	.06	.12	.02
SAT-Verbal	.0005	.0006	.03
SAT-Math	-.0005	.0006	-.03
Age	-.005	.007	-.02
Nursing	.10	.25	.01
Accounting	.07	.21	.01
Marketing	-.16	.33	-.01
Hours Attempted	.0005	.001	.02
Medical Technology	-.18	.44	-.01
Anthropology	-.07	.19	-.01
Undeclared	-.06	.16	-.01
Business Education	-.13	.40	-.01
Elementary Education	-.15	.62	-.007
Management	-.05	.27	-.006
Sociology	.03	.16	.005
H.S. GPA	.01	.10	.005
Constant	-.30		
R ²	.43		
Standard Error of Estimate	.85		
N	749		

ENG 211
Mean Grade = 2.55 S.D. = 1.00

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>β</u>
Year of Course: 75	.42	.25	.15
74	.04	.24	.02
73	.05	.23	.02
72	-.02	.22	-.007
71	.004	.22	.002
GPA	.91	.07	.58
English	.28	.14	.11
Hours Transferred	-.002	.001	-.06
Winter Qtr.	-.23	.09	-.11
SAT-Math	-.002	.0006	-.11
SAT-Verbal	.002	.0006	.11
Biology	.35	.22	.06
Missing Data-Math	.91	.80	.46
Missing Data-H.S. GPA	-.22	.13	-.10
Early Childhood Education	-.92	.45	-.07
Music	-1.01	.77	-.04
Age	.001	.02	.006
Female	.09	.08	.05
Elementary Education	-.34	.26	-.05
Missing Data-Verbal	-.68	.80	-.34
Veteran	.08	.08	.04
Marketing	-.23	.22	-.04
Political Science	.19	.30	.02
Minority	.09	.12	.03
Social Welfare	-.28	.35	-.02
Business Education	-.54	.77	-.02
Studio	-.22	.25	-.03
Nursing	-.16	.21	-.03
Missing Data-H.S. Yr.	.10	.13	.03
Criminal Justice	-.15	.22	-.03
Spring Qtr.	-.06	.11	-.02
Class Standing	.04	.05	.03
Yrs. Since H.S.	.01	.02	.07
Secondary Education	.10	.25	.01
Anthropology	-.20	.29	-.03
Transfer GPA	-.02	.04	-.03
Math	-.12	.30	-.01
H.S. GPA	-.06	.11	-.02
Special Education	-.16	.26	-.02
Real Estate	.09	.33	.01
History	.03	.23	.005
General Studies	.08	.26	.008
Economics	-.13	.26	-.02
Missing Data-Age	-.07	.23	-.01
Management	-.09	.17	-.02
Accounting	-.07	.16	-.02
Finance	-.12	.32	-.01
Sociology	-.08	.23	-.01
Psychology	-.05	.17	-.01
Journalism	-.04	.20	-.007
Summer Qtr.	.02	.10	.007
Medical Technology	-.03	.26	-.004
Constant	-.10		
R^2	.50		
Standard Error of Estimate	.74		
N	513		

CJ 301
Mean Grade = 2.54 S.D. = .81

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	-.36	.45	-.22
74	-.38	.45	-.22
73	-.55	.44	-.24
72	-.46	.46	-.12
71	-.43	.48	-.07
GPA	.86	.06	.63
Yrs. Since H.S.	-.02	.01	-.10
Winter Qtr.	-.16	.07	-.09
SAT-Math	.0006	.0005	.05
Special Education	-1.05	.44	-.08
Journalism	-.28	.17	-.06
History	.52	.29	.06
Hours Transferred	.0002	.001	.01
Psychology	-.19	.16	-.04
English	-.44	.32	-.05
Spring Qtr.	.10	.09	.04
Early Childhood Education	.37	.37	-.04
SAT-Verbal	.0009	.0005	.08
Veteran	.07	.06	.05
Elementary Education	-.45	.44	-.03
Real Estate	-.16	.22	-.02
Marketing	-.16	.22	-.02
Management	-.04	.14	-.01
Missing Data-H.S. GPA	.14	.10	.08
Missing Data-Math	-.77	.61	-.46
Hours Attempted	.003	.001	.16
Class Standing	-.10	.07	-.11
Fall Qtr.	-.08	.07	-.05
Biology	.49	.36	.04
Missing Data-Verbal	.65	.62	.39
Economics	-.13	.32	-.01
Criminal Justice	.16	.09	.10
Undeclared	.20	.11	.08
Secondary Education	.39	.37	.04
Nursing	.32	.33	.03
Female	.05	.07	.03
Political Science	.18	.17	.04
Accounting	.19	.19	.04
Math	.39	.44	.03
Finance	.36	.44	.03
Missing Data-Age	.07	.16	.12
Transfer GPA	.02	.03	.03
Minority	.03	.08	.02
Social Welfare	.07	.13	.02
Sociology	.09	.18	.02
General Studies	.08	.21	.01
Medical Technology	.12	.45	.009
Missing Data-H.S. Yr.	.02	.11	.007
Anthropology	.08	.32	.008
H.S. GPA	-.01	.06	-.01
Age	.001	.01	.009
Constant	.06		
R ²	.50		
Standard Error of Estimate	.60		
N	550		

ENG 201
Mean Grade = 2.54

S.D. = .96

Regressors	Estimators	Standard Error of Estimate	β
Year of Course: 75	-.18	.10	-.08
74	-.22	.09	-.10
73	-.27	.09	-.12
72	-.35	.09	-.14
71	-.23	.09	-.07
GPA	.91	.02	.60
English	.38	.07	.07
SAT-Verbal	.0008	.0002	.06
Class Standing	-.04	.03	-.03
Elementary Education	-.26	.06	-.05
Age	.01	.004	.07
Female	.07	.03	.04
Winter Qtr.	.06	.03	.03
Journalism	.15	.06	.03
Anthropology	.22	.10	.02
Biology	.13	.06	.02
Sociology	.17	.08	.02
Social Welfare	-.23	.10	-.03
Special Education	-.16	.07	-.02
Criminal Justice	-.11	.06	-.02
Early Childhood Education	-.17	.09	-.02
Music	-.15	.08	-.02
Transfer GPA	-.01	.01	-.02
Math	.14	.08	.02
SAT-Math	-.0003	.0002	-.02
Management	-.06	.05	-.01
Accounting	-.05	.05	-.01
Medical Technology	-.14	.12	-.01
Veteran	.03	.02	.02
Real Estate	-.11	.11	-.01
Yrs. Since H.S.	-.004	.004	-.02
Spring Qtr.	.04	.04	.01
General Studies	-.05	.08	-.008
History	.09	.08	.01
Economics	.08	.08	.01
Psychology	.05	.05	.01
Secondary Education	.08	.09	.009
Missing Data-H.S. Yr.	.03	.04	.01
Hours Transferred	-.0005	.0007	-.02
Business Education	-.05	.10	-.006
Undeclared	.02	.04	.008
Hours Attempted	-.0003	.0006	-.01
Minority	-.02	.03	-.007
Missing Data-H.S. GPA	-.02	.03	-.008
Nursing	.03	.05	.006
Fall Qtr.	-.01	.03	-.005
H.S. GPA	.009	.02	.005
Political Science	.01	.07	.002
Finance	-.02	.13	-.001
Constant	-.12		
R^2	.41		
Standard Error of Estimate	.74		
N	4884		

UL 301
Mean Grade = 2.54 S.D. = .88

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	.18	.24	.09
74	.23	.19	.13
72	-.16	.26	-.05
GPA	1.02	.12	.66
Anthropology	-1.57	.76	-.13
Sociology	-1.19	.56	-.14
Accounting	1.00	.81	.08
SAT-Verbal	.001	.001	.08
History	-.75	.45	-.11
Missing Data-H.S. Yr.	.26	.23	.09
Psychology	-.78	.56	-.09
Undeclared	-.27	.17	-.12
Criminal Justice	-.14	.14	-.07
Secondary Education	-.74	.75	-.06
Minority	-.14	.15	-.07
Transfer GPA	-.05	.06	-.09
SAT-Math	-.001	.001	-.09
Early Childhood Education	-.54	.76	-.05
Missing Data-Verbal	.64	.77	.36
Age	-.04	.02	-.24
Yrs. Since H.S.	.03	.02	.17
Missing Data-Math	-.55	.76	-.31
Journalism	.37	.55	.04
H.S. GPA	-.12	.21	-.04
Missing Data-H.S. GPA	.11	.25	.05
Missing Data-Age	-.17	.42	-.03
Marketing	.23	.76	.02
Winter Qtr.	.09	.26	.03
Female	-.04	.15	-.02
Social Welfare	.07	.21	.02
Studio	-.16	.46	-.02
Class Standing	-.07	.19	-.06
Hours Transferred	.0009	.004	.04
Fall Qtr.	.04	.16	.02
Veteran	-.03	.14	-.02
Economics	-.16	.84	-.01
Hours Attempted	.0005	.003	.02
Political Science	-.08	.75	-.007
Constant	1.16		
R ²	.47		
Standard Error of Estimate	.72		
N	185		

GEOL 102
Mean Grade = 2.53 S.D. = .97

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	.77	.24	.38
74	.79	.24	.37
73	.73	.24	.30
72	.32	.20	.10
71	.47	.24	.12
GPA	.98	.05	.58
Missing Data-Verbal	.81	.79	.41
Early Childhood Education	-.81	.16	-.13
Special Education	-.62	.16	-.10
Elementary Education	-.41	.12	-.09
Age	.01	.009	.07
Anthropology	.26	.17	.04
Female	-.15	.06	-.07
Transfer GPA	-.05	.03	-.06
Summer Qtr.	.14	.06	.06
H.S. GPA	.08	.05	.04
Medical Technology	1.26	.77	.04
English	-.33	.12	-.07
Winter Qtr.	.07	.06	.04
Management	-.30	.10	-.08
Criminal Justice	-.31	.12	-.07
Marketing	-.33	.13	-.07
Nursing	.54	.45	.03
Undeclared	-.22	.09	-.07
Missing Data-Age	.15	.17	.03
Business Education	-.33	.17	-.05
Hours Transferred	-.001	.001	-.04
Finance	-.30	.20	-.04
SAT-Math	.0004	.0004	.03
Studio	-.17	.11	-.04
Spring Qtr.	-.07	.08	-.02
Real Estate	-.23	.18	-.03
Social Welfare	-.22	.18	-.03
Missing Data-Math	-.70	.79	-.36
Secondary Education	.07	.20	.01
Yrs. Since H.S.	.006	.008	.04
Hours Attempted	-.0003	.001	-.02
Missing Data-H.S. GPA	.05	.08	.03
Journalism	-.15	.12	-.03
Accounting	-.14	.11	-.04
Psychology	-.15	.13	-.03
Political Science	-.17	.15	-.03
Economics	-.19	.21	-.02
Biology	-.21	.26	-.02
General Studies	-.11	.20	-.01
Sociology	-.09	.19	-.01
Minority	.03	.08	.01
Missing Data-H.S. Yr.	.03	.09	.01
Math	-.05	.22	-.005
Veteran	.01	.06	.006
Class Standing	-.007	.07	-.006
Constant	-1.28		
R ²	.41		
Standard Error of Estimate	.76		
N	1143		

MICR 250
Mean Grade = 2.53 S.D. = .97

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>β</u>
Year of Course: 75	.02	.63	.001
74	.25	.13	.13
73	.05	.13	.03
71	.22	.24	.04
GPA	1.17	.08	.76
Winter Qtr.	-.28	.09	-.14
Female	-.10	.13	-.04
Missing Data-Math	.23	.11	.12
Class Standing	-.08	.06	-.08
Missing Data-H.S. Yr.	-.26	.15	-.08
Music	.94	.72	.06
Biology	.58	.36	.06
Minority	-.16	.13	-.06
Transfer GPA	-.08	.04	-.11
Accounting	.75	.45	.07
Summer Qtr.	.35	.31	.05
Nursing	-.13	.11	-.06
Psychology	-.27	.24	-.04
Veteran	-.10	.10	-.05
Yrs. Since H.S.	.01	.009	.06
Age	-.01	.01	-.06
Math	-.46	.63	-.03
Missing Data-Age	-.20	.30	-.03
SAT-Math	-.0005	.0007	-.03
Undeclared	.16	.28	.02
SAT-Verbal	.0005	.0007	.03
Elementary Education	-.25	.44	-.02
Missing Data-H.S. GPA	.06	.13	.03
H.S. GPA	-.06	.12	-.02
Hours Transferred	.0004	.001	.02
Fall Qtr.	.03	.11	.01
Anthropology	-.15	.61	-.01
Constant	.43		
R^2	.67		
Standard Error of Estimate	.50		
N	265		

ENG 202
Mean Grade = 2.53 S.D. = .96

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	.11	.14	.04
74	-.09	.14	-.04
73	-.24	.13	-.11
72	-.10	.13	-.05
71	-.07	.13	-.03
GPA	.86	.03	.54
SAT-Verbal	.001	.0003	.09
English	.25	.10	.04
Female	.13	.04	.07
Elementary Education	-.27	.09	-.06
Marketing	.16	.11	.02
Medical Technology	.32	.18	.03
Biology	.10	.10	.02
Early Childhood Education	-.33	.14	-.04
H.S. GPA	-.05	.04	-.02
Management	-.19	.08	-.05
Business Education	-.33	.16	-.04
Special Education	-.23	.11	-.04
Social Welfare	-.25	.13	-.03
Accounting	-.16	.08	-.04
Finance	-.26	.14	-.03
Psychology	-.14	.08	-.03
Math	-.18	.12	-.03
Winter Qtr.	-.04	.04	-.02
Minority	-.06	.05	-.02
Sociology	.11	.13	.01
Studio	-.06	.10	-.01
Journalism	.06	.10	.01
Political Science	.07	.11	.01
Missing Data-Age	.11	.11	.02
Hours Transferred	-.001	.001	-.03
SAT-Math	-.0003	.0003	-.02
Real Estate	.11	.17	.01
Missing Data-H.S. GPA	.04	.06	.02
Economics	-.14	.13	-.02
Yrs. Since H.S.	-.01	.006	-.05
Age	.008	.007	.04
Music	-.11	.14	-.01
History	-.10	.11	-.02
Criminal Justice	-.07	.07	-.02
Nursing	-.06	.07	-.02
Missing Data-H.S. Yr.	-.03	.06	-.01
Undeclared	-.03	.07	-.01
Class Standing	.02	.05	.01
Missing Data-Math	.14	.39	.07
Secondary Education	-.04	.12	-.007
Anthropology	-.04	.14	-.006
Missing Data-Verbal	-.12	.39	-.06
Veteran	.009	.04	.005
Hours Attempted	-.0002	.0007	-.008
Transfer GPA	-.003	.02	-.003
Constant	-.02		
R ²	.36		
Standard Error of Estimate	.78		
N	2372		

A-98

GEOG 101
Mean Grade = 2.52 S.D. = 1.06

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>β</u>
Year of Course: 75	.95	.22	.33
74	.67	.21	.28
73	.78	.20	.33
72	.82	.21	.28
71	.48	.21	.14
GPA	1.03	.06	.62
Elementary Education	-.39	.10	-.14
Special Education	-.84	.19	-.12
SAT-Math	.001	.0006	.06
Early Childhood Education	-.61	.19	-.09
Age	.009	.01	.04
Minority	-.23	.09	-.08
Fall Qtr.	-.20	.08	-.08
Journalism	.13	.14	.03
Spring Qtr.	-.14	.10	-.04
Transfer GPA	-.07	.04	-.08
Missing Data-H.S. GPA	.16	.11	.07
General Studies	.28	.26	.03
Sociology	.13	.16	.02
Marketing	.18	.23	.02
Elementary Education	-.37	.26	.04
Secondary Education	-.19	.13	-.05
English	-.33	.20	-.05
SAT-Verbal	.0005	.0005	.04
Veteran	-.05	.07	-.02
Psychology	-.16	.13	-.04
Studio	-.21	.18	-.03
Missing Data-H.S. Yr.	-.08	.11	-.02
Math	-.32	.28	-.03
Biology	-.28	.25	-.03
Criminal Justice	-.14	.15	-.03
Female	-.06	.07	-.03
Business Education	-.58	.82	-.02
Missing Data-Verbal	-.07	.09	-.03
Yrs. Since H.S.	.007	.01	.03
H.S. GPA	.03	.07	.01
Accounting	-.10	.23	-.01
Hours Attempted	.0009	.001	.04
Social Welfare	-.08	.24	-.01
History	-.05	.15	-.009
Missing Data-Age	.08	.23	.01
Summer Qtr.	-.02	.08	-.01
Political Science	.07	.22	.009
Finance	.13	.41	.008
Management	.08	.24	.009
Class Standing	-.04	.08	-.03
Hours Transferred	.0006	.002	.02
Nursing	.09	.32	.008
Constant	-1.61		
R^2	.45		
Standard Error of Estimate	.81		
N	823		

A-99

FR 102
Mean Grade = 2.52 S.D. = 1.11

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>β</u>
Year of Course: 75	.05	.51	.02
74	.22	.51	.10
73	.22	.51	.08
72	.06	.52	.02
71	-.17	.52	-.04
GPA	1.17	.07	.64
Undeclared	.51	.19	.09
Age	-.02	.02	-.08
Real Estate	-1.96	.85	-.07
English	-.12	.13	-.03
Missing Data-H.S. Year	.24	.16	.07
Music	-.41	.29	-.05
Social Welfare	-1.37	.85	-.05
Female	.10	.08	.04
Winter Qtr.	-.17	.09	-.07
Summer Qtr.	-.17	.10	-.06
Management	.77	.49	.05
Studio	.33	.21	.05
Missing Data-Verbal	-.63	.94	-.28
Nursing	.37	.29	.04
Special Education	-.43	.43	-.03
H.S. GPA	-.07	.07	-.03
Veteran	.10	.09	.05
Medical Technology	.61	.60	.03
Missing Data-H.S. GPA	.13	.13	.05
Hours Transferred	-.001	.001	-.04
Biology	.15	.15	.04
Journalism	.14	.15	.04
Class Standing	-.03	.05	-.02
Finance	.58	.86	.02
Missing Data-Age	.13	.23	.02
SAT-Math	.0004	.0007	.03
Psychology	.08	.11	.03
Criminal Justice	.23	.39	.02
Missing Data-M	.47	.93	.21
Spring Qtr.	.05	.11	.02
Anthropology	.10	.24	.01
History	.08	.18	.01
Early Childhood Education	.28	.85	.01
Yrs. Since H.S.	.009	.02	.03
Transfer GPA	.01	.04	.01
Political Science	.04	.16	.009
Minority	-.03	.12	-.01
SAT-Verbal	-.0002	.0006	-.01
Secondary Education	-.07	.39	-.006
General Studies	.05	.31	.005
Business Education	.14	.85	.005
Elementary Education	.03	.26	.004
Economics	-.03	.26	-.003
Constant	-.34		
R^2	.48		
Standard Error of Estimate	.83		
N	594		

ASTR 101
Mean Grade = 2.52 S.D. = .95

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>β</u>
Year of Course: 75	-.39	.80	-.20
74	-.50	.80	-.25
73	-.47	.80	-.21
72	-.81	.80	-.23
71	-.67	.83	-.11
GPA	.92	.08	.58
Female	-.24	.09	-.13
SAT-Math	.001	.0007	.12
Transfer GPA	-.07	.04	-.09
Spring Qtr.	-.24	.12	-.10
Class Standing	.06	.05	.11
Missing Data-H.S. GPA	-.13	.15	-.06
Criminal Justice	-.10	.17	-.03
Summer Qtr.	-.14	.11	-.07
Missing Data-H.S. Yrs	.17	.16	.06
Minority	-.22	.15	-.07
Social Welfare	-.39	.45	-.03
Anthropology	-.15	.25	-.02
Age	-.02	.02	-.13
Yrs. Since H.S.	.02	.02	.10
Accounting	.28	.16	.08
Undeclared	.23	.15	.07
Studio	.26	.20	.05
Biology	.43	.05	.35
Missing Data-Age	.15	.03	.23
Real Estate	-.49	.76	-.02
Secondary Education	.44	.46	.04
General Studies	-.19	.40	-.02
Elementary Education	-.04	.20	-.009
Nursing	-.17	.45	-.02
Marketing	.23	.23	.04
SAT-Verbal	-.0003	.0007	-.03
Journalism	.19	.04	.19
Hours Attempted	.001	.002	.07
Hours Transferred	.001	.002	.04
Political Science	.21	.26	.03
Sociology	.24	.36	.03
Math	.22	.30	.03
Psychology	.13	.15	.04
History	.15	.22	.03
Management	.13	.20	.03
Veteran	-.05	.09	-.03
Finance	.29	.56	.02
Music	.20	.40	.02
H.S. GPA	-.06	.12	-.02
Business Education	.22	.55	.02
English	.08	.20	.02
Missing Data-Math	-.04	.11	-.02
Medical Technology	.22	.77	.01
Special Education	.03	.007	.22
Fall Qtr.	.02	.11	.008
Constant	.54		
R^2	.67		
Standard Error of Estimate	.75		
N	430		

A-101

ENG 111
Mean Grade = 2.52 S.D. = .86

Regressors	Estimators	Standard Error of Estimator	β
Year of Course: 75	.10	.08	.03
74	.05	.06	.02
73	-.0005	.06	-.0002
72	.07	.05	.02
71	.02	.05	.008
GPA	.60	.03	.44
SAT-Verbal	.002	.0002	.14
Female	.15	.03	.09
Hours Attempted	-.002	.0007	-.14
English	.31	.10	.05
Journalism	.21	.07	.05
H.S. GPA	.09	.03	.05
Music	-.19	.09	-.03
Psychology	.15	.07	.04
Special Education	-.18	.09	-.03
Early Childhood Education	-.22	.11	-.03
Age	.009	.005	.05
Missing Data-H.S. GPA	-.08	.06	-.04
Business Education	-.18	.11	-.02
History	-.18	.11	-.02
Winter Qtr.	-1.12	.71	-.45
Finance	-.14	.11	-.02
Economics	-.13	.10	-.02
Class Standing	.07	.04	.08
Hours Transferred	-.001	.0009	-.04
Biology	.10	.07	.02
Secondary Education	-.13	.12	-.02
Criminal Justice	-.05	.07	-.01
Transfer GPA	.02	.02	.02
Elementary Education	.09	.08	.02
Accounting	.06	.05	.02
Missing Data-H.S. Yr.	.05	.05	.02
Missing Data-Age	-.12	.09	-.02
Veteran	-.04	.04	-.02
Political Science	.06	.09	-.009
Social Welfare	-.07	.13	-.008
Nursing	-.02	.06	-.005
Real Estate	.09	.13	.01
Fall Qtr.	-1.08	.71	-.44
Undecided	.03	.04	.01
General Studies	.05	.09	.009
Summer Qtr.	-1.06	.71	-.60
Spring Qtr.	-1.04	.71	-.32
Math	.04	.10	.008
Minority	-.01	.04	-.006
Sociology	.05	.11	.007
Studio	.03	.07	.007
Missing Data-Math	-.47	.51	-.23
Missing Data-Verbal	.45	.51	.22
Yrs. Since H.S.	-.002	.006	-.008
Medical Technology	-.03	.13	-.003
Anthropology	.03	.12	.003
Marketing	.02	.08	.003
SAT-Math	.00003	.0002	.003
Constant	.90		
R^2	.34		
Standard Error of Estimate	.71		
N	3247		

A-102

ENG 112
Mean Grade = 2.51 S.D. = .89

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	.47	.12	.21
74	.31	.12	.14
73	.17	.11	.08
72	.34	.11	.16
71	.37	.11	.15
GPA	.72	.03	.48
English	.42	.10	.06
Journalism	.21	.07	.04
Hours Attempted	-.002	.0006	-.09
SAT-Verbal	.0008	.0002	.06
Female	.11	.03	.06
Summer Qtr.	.10	.04	.04
Early Childhood Education	-.38	.10	-.05
Special Education	.31	.09	-.05
Elementary Education	-.25	.07	-.05
Studio	.06	.07	.01
General Studies	-.18	.09	-.03
Economics	.07	.10	.01
Political Science	.05	.09	.008
Class Standing	.04	.03	.05
Medical Technology	.10		.01
Social Welfare	-.20	.12	-.02
History	.04	.10	.006
H.S. GPA	.03	.03	.01
Biology	.01	.07	.002
Math	.05	.10	.007
Spring Qtr.	.04	.04	.01
Missing Data-Age	.06	.09	.01
Marketing	-.13	.08	-.02
Finance	-.15	.11	-.02
Sociology	-.13	.10	-.02
Undeclared	-.09	.05	-.03
SAT-Math	-.0002	.0002	-.01
Anthropology	-.15	.12	-.02
Nursing	-.08	.06	-.02
Psychology	-.09	.07	-.02
Real Estate	-.12	.11	-.02
Transfer GPA	-.01	.02	-.01
Music	-.10	.09	-.02
Management	-.07	.06	-.02
Accounting	-.05	.05	-.02
Criminal Justice	-.06	.07	-.01
Winter Qtr.	-.02	.03	-.008
Missing Data-H.S. GPA	.02	.05	.01
Secondary Education	-.06	.11	-.007
Business Education	-.04	.12	-.006
Hours Transferred	-.0003	.0008	-.009
Minority	-.01	.04	-.005
Veteran	-.007	.03	-.004
Yrs. Since H.S.	.002	.005	.01
Age	-.008	.04	-.004
Missing Data-H.S. Yr.	.008	.05	.003
Constant	.11		
R ²	.30		
Standard Error of Estimate	.75		
N	3916		

CHEM 111
Mean Grade - 2.51 S.D. = 1.18

Regressors	Estimators	Standard Error of Estimator	β
Year of Course: 75	.40	.23	.14
74	.33	.33	.12
73	.19	.22	.07
72	.09	.22	.03
71	.002	.23	.0004
GPA	.97	.07	.53
Female	-.24	.08	-.10
Early Childhood Education	-1.55	.49	-.10
SAT-Math	.002	.0006	.14
Biology	.19	.10	.07
Business Education	-2.78	.97	-.09
Anthropology	-1.00	.40	-.07
Medical Technology	.19	.16	.04
Missing Data-Math	.01	.12	.004
Sociology	-.94	.41	-.07
Summer Qtr.	.13	.09	.06
Math	.27	.22	.04
Studio	.29	.31	.03
Veteran	.11	.09	.15
Missing Data-Years H.S.	.11	.13	.03
Elementary Education	-.67	.49	-.04
General Studies	-.45	.33	-.04
Economics	-.47	.37	-.04
Class Standing	.03	.10	.02
Special Education	-.44	.37	-.04
Journalism	-.41	.35	-.04
Music	-.84	.71	-.04
Psychology	-.02	.15	-.04
Political Science	-.45	.43	-.03
Transfer GPA	-.07	.05	-.07
Missing Data-H.S. GPA	.15	.13	.06
SAT-Verbal	-.0007	.0006	-.04
Criminal Justice	-.32	.35	-.03
Secondary Education	.32	.48	.02
Nursing	.15	.25	.02
Age	.01	.02	.04
Hours Transferred	.001	.002	.04
Minority	-.08	.11	-.02
Accounting	-.16	.23	-.02
Undeclared	-.08	.14	-.02
Marketing	-.17	.27	-.02
English	-.11	.22	-.01
Yrs. Since H.S.	-.11	.22	-.02
Spring Qtr.	.03	.13	.008
H.S. GPA	.02	.09	.009
Social Welfare	-.19	.69	-.008
Finance	.11	.49	.007
Hours Attempted	.0004	.02	.002
Fall Qtr.	-.02	.10	-.007
Missing Data-Age	.03	.28	.004
Constant	-1.68		
R^2	.40		
Standard Error of Estimate	.94		
N	761		

GEOG 101
Mean Grade = 2.50 S.D. = 1.60

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>B</u>
Year of Course: 75	-.13	.37	-.06
74	.09	.37	.04
73	.44	.37	.15
72	.03	.38	.008
71	-.21	.39	-.04
GPA	1.18	.06	.62
Female	-.25	.07	-.11
Hours Transferred	-.003	.002	-.10
Criminal Justice	-.36	.11	-.09
Summer Qtr.	-.21	.07	-.09
Special Education	-.53	.19	-.07
Elementary Education	-.32	.13	-.07
SAT-Math	.0008	.0005	.05
Accounting	.19	.10	.05
Spring Qtr.	-.11	.08	-.04
Missing Data-Math	.36	.58	.17
Age	-.02	.01	-.11
Biology	1.00	.80	.03
Studio	.13	.15	.02
Minority	-.10	.09	-.03
Yrs. Since H.S.	.01	.01	.08
Missing Data-H.S. Yr.	.16	.10	.05
Social Welfare	-.25	.19	-.03
Psychology	-.18	.15	-.03
Early Childhood Education	-.39	.36	-.03
Undeclared	-.13	.10	-.03
Music	-.78	.80	-.02
Math	.27	.36	.02
Journalism	-.12	.14	-.02
Economics	-.19	.22	-.02
Missing Data-Age	-.13	.17	-.02
Hours Attempted	-.0003	.001	-.01
Political Science	-.09	.15	-.02
Real Estate	-.14	.23	-.02
Business Education	-.17	.29	-.02
Marketing	-.08	.14	-.01
Sociology	-.09	.19	-.01
English	.07	.19	.01
Missing Data-Verbal	-.26	.58	-.12
Nursing	-.11	.30	-.01
Missing Data-H.S. GPA	.04	.10	.02
Finance	.08	.23	.009
SAT-Verbal	-.0002	.0006	-.01
H.S. GPA	-.02	.06	-.009
Secondary Education	-.05	.19	-.006
Transfer GPA	-.007	.03	-.008
General Studies	-.04	.21	-.005
Winter Qtr.	.01	.07	.005
Anthropology	.07	.41	.004
Class Standing	-.01	.08	-.008
History	.02	.19	.003
Constant	-.08		
R ²	.48		
Standard Error of Estimate	.79		
N	918		

CHEM 240
Mean Grade = 2.50 S.D. = 1.14

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>β</u>
Year of Course: 75	-.17	.14	-.07
74	-.007	.13	-.003
72	-.31	.23	-.06
GPA	1.13	.09	.61
Female	-.32	.11	-.13
Medical Technology	.22	.16	.07
Winter Qtr.	.42	.26	.08
Yrs. Since H.S.	-.05	.03	-.15
Fall Qtr.	.12	.14	.04
Missing Data-H.S. Years	.40	.20	.12
English	.71	.48	.06
History	-1.61	.94	-.07
Math	-.56	.40	-.06
Psychology	.12	.24	.02
Real Estate	1.08	.94	.05
Criminal Justice	-1.10	.96	-.05
Hours Attempted	.002	.002	.10
Missing Data-Age	-.29	.27	-.06
SAT-Math	-.001	.0009	-.07
Special Education	.75	.67	.05
Summer Qtr.	-.13	.12	-.06
Minority	-.16	.15	-.05
Veteran	-.07	.10	-.03
Anthropology	.69	.93	.03
Political Science	.53	.68	.03
Transfer GPA	-.08	.06	-.11
Hours Transferred	.003	.003	.11
Biology	-.09	.13	-.04
Management	.34	.68	.02
Class Standing	-.08	.14	-.05
Economics	.50	.94	.02
H.S. GPA	.05	.12	.02
Missing Data-H.S. GPA	.11	.19	.04
Missing Data-Math	-.07	.15	-.03
Secondary Education	-.21	.67	-.01
Accounting	.07	.40	.008
Age	-.006	.03	-.02
SAT-Verbal	.0001	.0009	.009
Undeclared	-.03	.20	-.007
Nursing	-.12	.94	-.005
Constant	.51		
R	.43		
Standard Error of Estimate	.91		
N	402		

GER 102
Mean Grade = 2.49 S.D. = 1.01

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>β</u>
Year of Course: 75	1.15	.50	.54
74	1.00	.50	.45
73	1.02	.50	.42
72	1.21	.52	.31
71	.57	.52	.14
GPA	1.05	.11	.59
Fall Qtr.	-.41	.12	-.20
Political Science	-.84	.30	-.16
Criminal Justice	-1.85	.89	-.11
Sociology	-.45	.26	-.09
Psychology	.07	.16	.03
Special Education	-1.05	.86	-.06
Nursing	.70	.64	.06
Music	-.36	.25	-.08
English	-.29	.20	-.08
Age	-.02	.02	-.10
SAT-Verbal	-.0005	.0009	-.04
Accounting	-.55	.51	-.06
Biology	-.18	.19	-.06
Minority	.33	.25	.09
Missing Data-Age	-.37	.44	-.06
Missing Data-Verbal	.09	.18	.04
Management	.40	.50	.04
Class Standing	.02	.14	.01
H.S. GPA	-.15	.18	-.05
Yrs. Since H.S.	.01	.02	.05
Undeclared	.17	.33	.03
Elementary Education	-.57	.88	-.04
Female	.08	.12	.04
Hours Transferred	.002	.003	.07
Transfer GPA	-.03	.06	-.04
SAT-Math	.0004	.0009	.03
Math	-.14	.33	-.02
General Studies	-.31	.85	-.02
Early Childhood Education	-.26	.85	-.02
Finance	-.21	.85	-.01
Hours Attempted	.0006	.002	.03
Economics	.09	.45	.01
Missing Data-H.S. Yr.	.06	.29	.01
Anthropology	-.06	.34	-.01
Studio	-.05	.36	-.008
Missing Data-H.S. GPA	-.02	.20	-.01
Constant	-.56		
R^2	.46		
Standard Error of Estimate	.81		
N	261		

FR 201
Mean Grade = 2.49 S.D. = 1.08

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>R</u>
Year of Course: 75	.02	.15	.008
74	-.14	.14	-.06
73	.01	.15	.004
71	-.32	.19	-.08
GPA	1.10	.08	.62
Class Standing	-.12	.12	-.07
Sociology	.31	.17	.08
Age	-.02	.009	-.11
Summer Qtr.	-.14	.10	-.06
Finance	1.78	.84	.08
Female	.18	.09	.08
Missing Data-Math	.13	.13	.06
H.S. GPA	.12	.08	.05
History	.15	.20	.03
Political Science	.19	.18	.04
Social Welfare	-.53	.49	-.04
Spring Qtr.	.16	.12	.05
Missing Data-H.S. Year	.23	.16	.06
Accounting	-.98	.84	-.04
General Studies	.27	.34	.03
Medical Technology	.87	.82	.04
Math	.29	.29	.04
Secondary Education	.34	.43	.03
SAT-Verbal	.0009	.0007	.06
Missing Data-Age	-.19	.26	-.03
Transfer GPA	-.04	.04	-.04
Elementary Education	-.23	.27	-.03
SAT-Math	-.0006	.0007	-.04
Psychology	-.11	.14	-.04
English	-.10	.16	-.03
Missing Data-H.S. GPA	.09	.14	.04
Special Education	.25	.59	.02
Undecided	.05	.22	.009
Nursing	-.20	.43	-.02
Music	-.22	.61	-.01
Biology	-.09	.28	-.01
Fall Qtr.	.03	.11	.01
Hours Transferred	-.0006	.0002	-.02
Anthropology	-.06	.25	-.01
Hours Attempted	-.0003	.002	-.01
Veteran	.02	.09	.007
Studio	-.05	.25	-.008
Journalism	-.03	.16	-.009
Economics	-.04	.27	-.005
Constant	-.18		
R^2	.49		
Standard Error of Estimate	.81		
N	470		

MATH 211
Mean Grade = 2.49 S.D. = 1.22

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	.86	.27	.30
74	.66	.26	.23
73	.66	.26	.23
72	.55	.26	.16
71	.28	.26	.08
GPA	1.17	.07	.61
Math	.30	.12	.08
Female	-.16	.08	-.06
Spring Qtr.	-.36	.12	-.09
Missing Data-H.S. GPA	.44	.13	.18
SAT-Math	.002	.0006	.13
SAT-Verbal	-.002	.0006	-.13
Class Standing	-.05	.10	-.03
Finance	.44	.34	.04
Business Education	-1.55	.94	-.05
Political Science	-.70	.36	-.05
Psychology	-.36	.15	-.07
Elementary Education	-.67	.31	-.06
Journalism	-.64	.34	-.05
Special Education	-.61	.36	-.05
Biology	-.21	.10	-.07
Economics	-.24	.18	-.04
Management	-.36	.25	-.04
Early Childhood Education	-.73	.56	-.04
Transfer GPA	-.08	.05	-.07
Missing Data-Math	-.20	.13	-.08
Missing Data-Age	.22	.25	.03
Nursing	-.41	.39	-.03
Fall Qtr.	-.06	.08	-.02
Hours Attempted	-.0005	.002	-.02
Age	.02	.02	.07
Yrs. Since H.S.	-.02	.02	-.05
H.S. GPA	.06	.08	.02
Real Estate	-.41	.67	-.02
Criminal Justice	-.25	.43	-.02
Marketing	-.17	.27	-.02
Music	.16	.39	.01
History	-.23	.43	-.02
Medical Technology	-.16	.26	-.02
Undeclared	-.07	.13	-.02
Anthropology	-.14	.34	-.01
Hours Transferred	.0007	.002	.02
Sociology	-.11	.43	-.007
General Studies	-.08	.37	-.006
Missing Data-H.S. Yr.	-.02	.13	-.006
Studio	-.06	.36	-.004
Secondary Education	-.05	.39	-.004
Minority	.02	.12	.005
Veteran	.009	.09	.004
Constant	-1.73		
R ²	.45		
Standard Error of Estimate	.93		
N	769		

MATH 105
Mean Grade = 2.48 S.D. = 1.20

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>β</u>
Year of Course: 75	.32	.14	.11
74	.30	.13	.11
73	.12	.13	.04
72	.05	.13	.02
71	-.04	.13	-.01
GPA	1.09	.05	.56
SAT-Math	.004	.0004	.19
Age	-.02	.004	-.09
SAT-Verbal	-.002	.0004	-.13
Summer Qtr.	.14	.07	.06
Special Education	-.26	.11	-.05
Class Standing	-.05	.06	-.03
Nursing	.38	.12	.06
Undeclared	.22	.09	.05
Management	.47	.19	.05
Missing Data-Age	.42	.16	.05
Minority	-.19	.07	-.06
Political Science	.32	.13	.05
Music	-.19	.12	-.03
Transfer GPA	-.05	.03	-.05
Medical Technology	.92	.55	.03
Business Education	.35	.20	.03
H.S. GPA	.10	.05	.04
Missing Data-Math	-.31	.48	-.13
Elementary Education	-.08	.10	-.02
English	-.10	.11	-.02
Math	.59	.43	.03
Accounting	.32	.22	.03
Hours Attempted	-.006	.001	-.02
Journalism	.13	.09	.03
Psychology	.13	.10	.02
Criminal Justice	.12	.10	.02
Economics	.29	.24	.02
Winter Qtr.	-.08	.07	-.03
Finance	.47	.55	.02
Marketing	-.20	.27	-.01
Missing Data-H.S. GPA	-.06	.09	-.03
History	-.09	.14	-.01
Social Welfare	-.13	.22	-.01
Hours Transferred	.0008	.001	.02
Missing Data-Verbal	.25	.49	.10
Fall Qtr.	-.03	.07	-.01
Sociology	.06	.14	.008
Anthropology	.08	.17	.008
Veteran	-.02	.05	-.008
Missing Data-H.S. Yr.	-.02	.08	-.006
General Studies	.05	.16	.006
Secondary Education	.02	.14	.003
Constant	-.62		
R^2	.40		
Standard Error of Estimate	.94		
N	1880		

PHY 102
Mean Grade = 2.48 S.D. = 1.09

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	-.15	.41	-.07
74	-.05	.41	-.02
73	-.14	.41	-.05
72	.02	.42	.005
71	-.23	.43	-.06
GPA	1.21	.07	.69
Summer Qtr.	-.41	.11	-.16
Biology	.36	.11	.15
Minority	.32	.12	.11
Medical Technology	.52	.18	.12
Hours Transferred	-.005	.002	-.22
Female	-.19	.09	-.04
Finance	-.72	.34	-.08
Music	-1.04	.57	-.07
Criminal Justice	-.50	.42	-.04
Political Science	-1.30	.79	-.06
Yrs. Since H.S.	.06	.03	.15
Math	.42	.28	.06
Winter Qtr.	.10	.10	.04
Psychology	.36	.18	.08
SAT-Verbal	-.002	.0008	-.11
SAT-Math	.002	.0008	.13
Missing Data-H.S. Yr.	.33	.14	.11
Veteran	.15	.10	.07
Social Welfare	.87	.57	.06
Sociology	-1.20	.88	-.05
Special Education	-.26	.29	-.03
Age	-.02	.02	-.06
Spring Qtr.	-.11	.13	-.03
Transfer GPA	.04	.05	.06
Missing Data-H.S. GPA	-.10	.15	-.04
Marketing	.30	.33	.03
Studio	.26	.34	.03
Undeclared	.15	.16	.04
Class Standing	.20	.12	.13
Hours Attempted	-.003	.002	-.13
Secondary Education	.29	.46	.02
Missing Data-Math	.07	.12	.03
General Studies	.20	.35	.02
Economics	.17	.31	.02
Management	.09	.19	.02
Nursing	.20	.57	.01
English	.10	.31	.01
H.S. GPA	-.04	.15	-.01
Accounting	-.05	.21	-.009
History	.11	.21	.007
Constant	-1.21		
R ²	.56		
Standard Error of Estimate	.76		
N	421		

CHEM 113
Mean Grade = 2.48 S.D. = 1.18

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	.48	.54	.19
74	.30	.54	.12
73	.04	.54	.01
72	-.06	.53	-.02
71	.16	.56	.03
GPA	1.07	.08	.61
SAT-Math	.002	.0009	.13
Missing Data-Verbal	.29	.16	.12
Real Estate	2.14	.91	.09
Minority	-.28	.15	-.09
General Studies	1.18	.91	.05
Secondary Education	-1.01	.66	-.06
Hours Attempted	-.0002	.002	-.009
Female	-.07	.11	-.03
Winter Qtr.	-.14	.12	-.06
Marketing	-.72	.53	-.05
Biology	-.24	.13	-.10
Psychology	-.39	.26	-.06
Nursing	-.59	.53	-.04
Missing Data-H.S. Yr	.28	.18	.08
History	-.65	.49	-.06
Veteran	.13	.12	.06
Studio	-.60	.56	-.04
English	-.39	.47	-.03
Medical Technology	-.19	.17	-.05
Anthropology	-.63	.64	-.04
SAT-Verbal	-.0006	.0008	-.04
Accounting	-.32	.34	-.04
H.S. GPA	-.08	.15	-.02
Class Standing	.15	.13	.10
Hours Transferred	-.002	.003	-.08
Summer Qtr.	-.07	.12	-.03
Criminal Justice	-.42	.65	-.03
Yrs. Since H.S.	.02	.03	.06
Age	-.02	.03	-.05
Social Welfare	-.32	.90	-.01
Math	-.09	.29	-.01
Finance	-.16	.65	-.009
Missing Data-Age	-.05	.28	-.01
Transfer GPA	-.01	.06	-.01
Special Education	-.10	.52	-.007
Undeclared	-.02	.20	-.006
Missing Data-H.S. GPA	.02	.18	.009
Constant	-1.50		
R ²	.51		
Standard Error of Estimate	.87		
N	387		

GER 101
Mean Grade = 2.47 S.D. = 1.10

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	.91	.38	.35
74	.76	.37	.31
73	.88	.36	.36
72	.51	.38	.13
71	.76	.37	.19
GPA	1.07	.09	.58
Political Science	-.32	.23	-.07
Secondary Education	-2.30	.90	-.11
History	-.40	.23	-.09
Hours Transferred	-.002	.002	-.09
Anthropology	-.55	.29	-.09
Music	-.29	.25	-.05
Management	1.19	.48	.11
Veteran	.20	.10	.10
Missing Data-H.S. GPA	.21	.16	.09
Winter Qtr.	-.20	.12	-.08
English	.44	.21	.10
Accounting	.71	.31	.10
Finance	1.26	.66	.08
Studio	-.36	.31	-.06
Missing Data-Verbal	.55	.99	.25
Criminal Justice	-.54	.54	-.04
Psychology	.02	.17	.007
Female	.11	.11	.05
Minority	-.29	.19	-.08
H.S. GPA	-.09	.11	-.04
Medical Technology	.72	.66	.05
Transfer GPA	-.04	.05	-.05
Biology	.31	.18	.09
Math	.33	.29	.05
Sociology	.39	.32	.06
Economics	.29	.42	.03
SAT-Math	-.0003	.0009	-.02
Fall Qtr.	.04	.13	.02
Journalism	.21	.21	.05
Missing Data-H.S. Yr.	-.12	.22	-.03
Age	-.02	.02	-.10
Yrs. Since H.S.	.02	.02	.08
Undeclared	.17	.25	.03
Nursing	.45	.65	.03
Spring Qtr.	-.09	.18	-.03
Elementary Education	.33	.65	.02
Class Standing	-.10	.11	-.07
Hours Attempted	.001	.002	.06
General Studies	.30	.67	.02
Missing Data-Math	-.44	1.00	-.20
Marketing	.17	.65	.01
SAT-Verbal	-.0003	.0008	-.02
Special Education	-.14	.66	.009
Missing Data-Age	.04	.31	.008
Constant	-.51		
R^2	.44		
Standard Error of Estimate	.88		
N	392		

FI 330
Mean Grade = 2.45 S.D. = 1.01

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	.57	.21	.28
74	.35	.21	.16
73	.27	.21	.08
72	.16	.22	.04
71	.25	.23	.04
GPA	1.04	.04	.58
Accounting	.38	.05	.16
Hours Attempted	.003	.0009	.14
Finance	.32	.08	.08
Spring Qtr.	-.19	.06	-.07
Social Welfare	-2.28	.81	-.05
Female	-.16	.06	-.05
Transfer GPA	-.04	.02	-.05
Winter Qtr.	-.11	.05	-.05
Math	-.88	.47	-.04
Real Estate	-.14	.09	-.03
Minority	-.16	.07	-.05
Undeclared	.11	.06	.04
Hours Transferred	.002	.001	.08
Class Standing	-.10	.06	-.05
Missing Data-Age	.20	.12	.04
Political Science	-.60	.57	-.02
Sociology	.40	.37	.02
Psychology	.58	.58	.02
Age	.005	.004	.02
Marketing	.07	.07	.02
SAT-Verbal	-.0004	.0004	-.03
Studio	-.32	.41	-.02
Journalism	.56	.81	.01
Veteran	.02	.04	.01
Economics	.07	.12	.01
Missing Data-Math	.31	.81	.16
Missing Data-H.S. Yr.	-.04	.07	-.01
SAT-Math	.0002	.0004	.02
Fall Qtr.	-.03	.05	-.01
Biology	.39	.81	.009
History	-.32	.81	-.008
Missing Data-Verbal	-.28	.81	-.14
Missing Data-H.S. GPA	.008	.08	.003
Business Education	-.05	.47	-.002
H.S. GPA	.005	.04	.002
Constant	-.79		
R ²	.38		
Standard Error of Estimate	.80		
N	1762		

MATH 125
Mean Grade = 2.44 S.D. = 1.27

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>B</u>
Year of Course: 75	.32	.19	.11
74	.15	.18	.05
73	.11	.17	.03
72	-.06	.17	-.02
71	-.26	.18	-.07
GPA	1.12	.06	.59
Math	.43	.18	.07
SAT-Math	.003	.0006	.16
SAT-Verbal	-.002	.0005	-.12
Medical Technology	.72	.25	.08
Summer Qtr.	.23	.09	.09
Studio	-.70	.25	-.07
Missing Data-Verbal	.61	1.01	.23
Psychology	-.31	.14	-.07
Management	.24	.23	.03
H.S. GPA	.10	.06	.05
Spring Qtr.	.15	.12	.04
History	-.50	.32	-.04
Hours Transferred	-.004	.002	-.09
Female	-.14	.08	-.05
Political Science	-.42	.28	-.04
Journalism	-.30	.21	-.04
Early Childhood Education	.42	.41	.03
English	-.23	.19	-.03
Elementary Education	-.34	.25	-.04
Missing Data-H.S. Yr.	-.12	.12	-.03
Secondary Education	.25	.29	.02
Transfer GPA	.04	.05	.03
General Studies	-.25	.23	-.03
Missing Data-Age	.24	.22	.04
Veteran	.08	.08	.03
Real Estate	-.55	.58	-.02
Criminal Justice	-.26	.28	-.02
Undeclared	-.11	.12	-.03
Finance	-.31	.39	-.02
Economics	-.14	.19	-.02
Marketing	-.20	.28	-.03
Accounting	.07	.18	.01
Age	.009	.02	.03
Missing Data-Math	-.42	1.00	-.16
Social Welfare	.36	1.00	.009
Anthropology	.09	.34	.007
Hours Attempted	-.0008	.002	-.03
Class Standing	.04	.10	.03
Yrs. Since H.S.	-.006	.02	-.02
Fall Qtr.	-.02	.10	-.009
Biology	-.02	.11	-.007
Sociology	-.08	.34	-.006
Missing Data-H.S. GPA	.03	.14	.01
Business Education	.16	1.00	.004
Nursing	.04	.28	.003
Minority	.01	.11	.003
Constant	-1.74		
R ²	.44		
Standard Error of Estimate	.98		
N	938		

JOUR 101
Mean Grade = 2.43

S.D. = .79

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>B</u>
Year of Course: 75	-.02	.27	-.01
74	-.10	.26	-.06
73	.11	.25	.06
72	-.04	.25	-.02
71	.14	.26	.05
GPA	.82	.08	.65
Age	.07	.03	.39
Journalism	.12	.11	.08
Minority	.22	.11	.10
Yrs. Since H.S.	-.05	.03	-.25
H.S. GPA	.20	.11	.10
Early Childhood Education	-1.11	.60	-.09
Summer Qtr.	.20	.09	.13
Anthropology	.84	.60	.07
Missing Data-H.S. Yr.	.13	.16	.05
Hours Transferred	.005	.003	.17
Missing Data-Age	-.22	.22	-.05
Special Education	-.67	.44	-.07
Elementary Education	.47	.62	.04
Social Welfare	.47	.60	.04
Studio	-.53	.44	-.06
Finance	-.84	.63	-.06
Class Standing	-.21	.12	-.23
History	-.38	.29	-.07
Political Science	-.43	.32	-.07
Spring Qtr.	.07	.11	.04
English	-.22	.17	-.07
Hours Attempted	.002	.002	.15
Management	-.23	.21	-.06
Economics	-.40	.43	-.04
Missing Data-Math	.06	.15	.03
Sociology	-.38	.44	-.04
Female	.07	.08	.04
General Studies	-.27	.36	-.04
Accounting	-.18	.22	-.04
SAT-Math	.0005	.0008	.05
Nursing	.30	.60	.02
Math	.16	.45	.02
Biology	-.15	.36	-.02
SAT-Verbal	-.0002	.0008	-.02
Secondary Education	-.15	.43	-.02
Undeclared	-.05	.17	-.02
Marketing	.11	.47	.01
Real Estate	.13	.62	.01
Transfer GPA	-.01	.06	-.02
Missing Data-H.S. GPA	.02	.17	.02
Business Education	-.07	.63	-.005
Constant	-1.74		
R ²	.55		
Standard Error of Estimate	.58		
N	269		

CHEM 112
Mean Grade = 2.41 S.D. = 1.14

<u>Depressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>S</u>
Year of Course: 75	1.01	.47	.40
74	.96	.46	.38
73	.57	.46	.20
72	.53	.45	.17
71	.49	.46	.11
GPA	1.11	.07	.60
Winter Qtr.	.37	.12	.14
Special Education	-.80	.34	-.08
Transfer GPA	-.12	.05	-.13
Undeclared	.27	.15	.07
Missing Data-H.S. GPA	.18	.15	.08
SAT-Math	.002	.0007	.16
Music	-1.45	.66	-.08
SAT-Verbal	-.001	.0007	-.07
Class Standing	.15	.11	.11
Spring Qtr.	.13	.13	.04
Accounting	-.59	.34	-.06
English	-.42	.27	-.06
Political Science	-.80	.62	-.04
Anthropology	-.60	.51	-.04
Real Estate	-.55	.54	-.04
Secondary Education	-.32	.36	-.03
Criminal Justice	.46	.40	.04
Missing Data-Math	.11	.13	.05
Medical Technology	.14	.15	.03
Female	-.08	.09	-.03
Management	-.44	.52	-.03
Studio	-.39	.45	-.03
Minority	.09	.13	.03
General Studies	.32	.46	.02
Journalism	.55	.88	.02
Age	.004	.02	.01
Math	.09	.20	.02
Economics	-.55	.87	-.02
Veteran	.05	.10	.02
Fall Qtr.	-.05	.11	-.02
Marketing	-.15	.34	-.02
Missing Data-H.S. Yr.	.06	.15	.02
Yrs. Since H.S.	.01	.03	.03
Psychology	-.08	.19	-.02
Finance	-.15	.45	-.01
Biology	-.03	.10	-.01
Hours Transferred	-.001	.002	-.04
Hours Attempted	-.0008	.002	-.03
Nursing	-.11	.44	-.008
History	.07	.45	.006
H.S. GPA	-.02	.12	-.005
Constant	-2.81		
R^2	.49		
Standard Error of Estimate	.86		
N	527		

MATH 102
Mean Grade = 2.40 S.D. = 1.29

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>B</u>
Year of Course: 74	-.08	.07	-.03
73	-.32	.08	-.11
72	-.61	.16	-.10
GPA	1.29	.06	.64
SAT-Math	.003	.0005	.18
SAT-Verbal	-.002	.0005	-.11
Medical Technology	.70	.19	.09
Class Standing	-.08	.06	-.06
Biology	.43	.14	.08
Management	.72	.25	.07
Age	-.03	.01	-.14
Minority	.19	.09	.06
Missing Data-Age	-.44	.22	-.06
Undeclared	.25	.12	.06
Nursing	.18	.10	.05
Anthropology	.44	.25	.04
Math	.47	.30	.04
Spring Qtr.	-.11	.09	-.03
Yrs. Since H.S.	.02	.01	.07
Music	-.31	.29	-.03
Elementary Education	-.25	.21	-.03
Sociology	-.24	.20	-.03
Transfer GPA	-.06	.04	-.06
Missing Data-H.S. GPA	.18	.11	.07
Finance	-.74	1.00	-.02
Criminal Justice	.13	.17	.02
Marketing	.26	.38	.02
Missing Data-Verbal	-.38	.74	-.14
H.S. GPA	.04	.07	.02
Veteran	.05	.07	.02
Early Childhood Education	.15	.26	.01
Social Welfare	.16	.30	.01
Summer Qtr.	.04	.08	.01
History	.15	.30	.01
Accounting	.15	.31	.01
English	.07	.17	.01
Economics	.09	.27	.008
Real Estate	-.37	.71	-.01
Political Science	.10	.27	.009
Secondary Education	-.16	.32	-.01
Missing Data-Math	.33	.73	.12
Psychology	-.06	.14	-.01
Special Education	-.09	.27	-.008
Winter Qtr.	-.02	.09	-.007
Hours Attempted	.0003	.001	.01
General Studies	.03	.19	.004
Studio	-.03	.17	-.004
Journalism	-.02	.17	-.003
Missing Data-H.S. Yr.	-.01	.12	-.003
Constant	-.93		
R ²	.44		
Standard Error of Estimate	.99		
N	1139		

MKR 351
Mean Grade = 2.40 S.D. = .90

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 74	-.16	.27	-.09
73	-.24	.25	-.13
71	-.56	.40	-.13
GPA	.90	.14	.55
Minority	-.87	.22	-.31
Spring Qtr.	.52	.22	.20
Winter Qtr.	.29	.16	.15
English	-.28	.60	-.04
Psychology	.03	.37	.007
Undeclared	-.31	.41	-.08
Class Standing	-.43	.21	-.34
Real Estate	1.75	.77	.18
SAT-Math	-.001	.001	-.10
H.S. GPA	-.60	.41	-.12
Transfer GPA	.08	.09	.12
Missing Data-Verbal	.17	.21	.09
Accounting	-.31	.72	-.05
Biology	.52	.26	.29
Medical Technology	.48	.28	.22
Anthropology	.86	.56	.13
Female	.13	.16	.07
Yrs. Since H.S.	.03	.03	.13
Age	-.03	.03	-.12
Hours Transferred	.003	.003	.15
Hours Attempted	.002	.003	.10
Missing Data-H.S. GPA	-.14	.30	-.05
Veteran	-.08	.21	-.04
Secondary Education	.23	.73	.02
Nursing	.16	.75	.02
Constant	3.99		
R^2	.61		
Standard Error of Estimate	.66		
N	113		

DM 231
Mean Grade = 2.39 S.D. = 1.18

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	.50	.19	.20
74	.33	.18	.13
73	.28	.18	.10
72	.17	.19	.04
71	.11	.20	.02
GPA	1.17	.04	.58
SAT-Math	.001	.0004	.08
Transfer GPA	-.051	.02	-.06
Fall Qtr.	.15	.06	.05
Accounting	.25	.09	.09
Minority	-.17	.06	-.05
SAT-Verbal	-.001	.0004	-.06
Undeclared	.231	.09	.07
Missing Data-H.S. GPA	.11	.07	.04
Math	.82	.34	.04
Psychology	1.17	.54	.03
Secondary Education	-1.16	.66	-.03
Finance	.20	.11	.04
Winter Qtr.	.04	.06	.02
Political Science	-.56	.54	-.02
Real Estate	-.02	.12	-.004
Missing Data-Verbal	.37	.47	.16
Missing Data-H.S. Yr.	-.11	.08	-.03
Yrs. Since H.S.	-.009	.007	-.04
Anthropology	-.72	.66	-.02
Class Standing	.12	.05	.07
Hours Transferred	-.002	.001	-.07
Hours Attempted	-.002	.0009	-.06
Age	.006	.007	.03
Female	.04	.06	.01
Missing Data-Math	-.29	.47	-.12
Management	.10	.09	.04
Marketing	.09	.10	.02
Economics	.11	.14	.01
H.S. GPA	-.02	.04	-.01
Summer Qtr.	-.04	.06	-.01
General Studies	.20	.39	.008
Elementary Education	-.34	.67	-.009
Biology	-.22	.54	-.006
English	-.21	.55	-.006
Criminal Justice	-.14	.36	-.006
Music	-.23	.66	-.006
Missing Data-Age	.05	.12	.008
Sociology	-.28	.93	-.005
Veteran	.01	.04	.005
Social Welfare	-.11	.55	-.003
History	.11	.93	.002
Constant	-1.51		
R ²	.40		
Standard Error of Estimate	.93		
N	2524		

ART 179
Mean Grade = 2.39 S.D. = 1.12

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>β</u>
Year of Course: 75	-.87	.97	-.37
74	-.88	.97	-.36
73	-1.10	.96	-.42
72	-.88	.97	-.21
71	-.58	.99	-.09
GPA	1.16	.08	.57
Summer Qtr.	-.34	.11	-.15
Music	-.83	.23	-.12
Transfer GPA	-.11	.04	-.13
SAT-Verbal	.002	.0007	.10
Sociology	.60	.30	.07
Accounting	.61	.33	.06
Studio	.07	.11	.03
Special Education	.44	.29	.05
Early Childhood Education	-.58	.35	-.05
Female	.10	.08	.04
History	.22	.27	.03
H.S. GPA	-.11	.08	-.04
Spring Qtr.	.16	.14	.05
Undeclared	-.31	.21	-.05
Anthropology	-.37	.28	-.04
Political Science	-.32	.27	-.04
Math	-.28	.24	-.04
Social Welfare	-.96	.89	-.03
Secondary Education	.14	.21	.02
English	-.16	.18	-.03
Psychology	-.13	.17	-.03
Missing Data-H.S. GPA	.09	.13	.04
Veteran	.07	.08	.03
Nursing	-.19	.26	-.03
Journalism	-.17	.23	-.02
Missing Data-H.S. Yrs	.15	.14	.04
Hours Attempted	-.001	.002	-.04
Minority	-.08	.13	-.02
SAT-Math	-.0004	.0007	-.02
Real Estate	.29	.52	.02
General Studies	.17	.38	.02
Biology	.10	.23	.01
Class Standing	.04	.10	.03
Age	-.02	.02	-.08
Yrs. Since H.S.	.02	.02	.07
Elementary Education	-.07	.28	-.008
Criminal Justice	.26	.91	.009
Hrs. Transferred	-.0004	.002	-.02
Winter Qtr.	-.02	.11	-.01
Missing Data-Math	-.02	.10	-.01
Economics	.07	.35	.007
Medical Technology	.08	.45	.006
Constant	.19		
R^2	.43		
Standard Error of Estimate	.88		
N	631		

BIO 111
Mean Grade = 2.39 S.D. = 1.06

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>β</u>
Year of Course: 75	.87	.18	.32
74	.94	.18	.41
73	.75	.18	.31
72	.81	.18	.27
71	.87	.20	.21
GPA	1.06	.06	.67
Class Standing	-.15	.08	-.13
SAT-Verbal	.001	.0006	.10
Nursing	.22	.07	.10
Biology	.64	.19	.10
Missing Data-Math	.18	.09	.08
Special Education	-1.30	.44	-.08
Elementary Education	-.51	.27	-.05
Management	-1.22	.75	-.05
Medical Technology	.76	.44	-.05
Winter Qtr.	-.19	.13	-.05
Music	-.75	.55	-.04
Economics	-.59	.53	-.03
Social Welfare	.33	.34	.03
Anthropology	.28	.34	.02
Fall Qtr.	-.10	.12	-.03
Secondary Education	-.28	.31	-.03
Marketing	-.32	.44	-.02
Accounting	.16	.31	.02
Female	-.04	.09	-.01
Studio	.11	.23	.01
History	-.26	.54	-.01
Psychology	-.06	.15	-.01
Early Childhood Education	-.22	.44	-.01
Veteran	-.04	.09	-.02
Transfer GPA	.01	.04	.01
Sociology	.18	.43	.01
General Studies	.14	.31	.01
SAT-Math	.0002	.0005	.02
Business Education	.19	.43	.01
English	.11	.32	.01
Math	-.26	.75	-.01
Hours Attempted	.001	.002	.04
Hours Transferred	.001	.002	.03
Age	-.005	.01	-.02
Yrs. Since H.S.	.003	.01	.01
Minority	.03	.09	.01
Journalism	-.10	.31	-.009
H.S. GPA	-.02	.07	-.005
Missing Data-H.S. GPA	.02	.11	.007
Summer Qtr.	-.01	.09	-.007
Missing Data-H.S. Year	.01	.11	.004
Missing Data-Age	-.03	.23	-.004
Constant	-1.57		
R^2	.56		
Standard Error of Estimate	.73		
N	636		

HIST 476
Mean Grade = 2.37 S.D. = 1.07

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	.76	.61	.35
74	.77	.61	.35
73	.38	.61	.12
72	.50	.65	.06
71	.86	.70	.08
GPA	1.26	.07	.65
Winter Qtr.	.40	.10	.17
Hours Transferred	-.002	.001	-.08
Missing Data-Verbal	.54	.80	.25
Psychology	1.00	.43	.08
Political Science	.82	.36	.07
History	.37	.20	.06
Missing Data-H.S. Yr.	.36	.14	.12
Journalism	.81	.46	.06
Veteran	.11	.07	.06
Elementary Education	-1.27	.80	-.05
Missing Data-H.S. GPA	-.21	.13	-.07
H.S. GPA	.11	.08	.04
Fall Qtr.	.07	.10	.03
Management	.41	.36	.04
SAT-Verbal	.0008	.0007	.05
Minority	.11	.09	.04
Real Estate	.70	.79	.03
Social Welfare	-.11	.12	-.03
Criminal Justice	-.07	.08	-.03
Special Education	-.48	.57	-.03
SAT-Math	-.0006	.0007	-.04
English	-.31	.41	-.02
Accounting	.54	.79	.02
Female	-.05	.09	-.02
Summer Qtr.	-.05	.10	-.02
Economics	.28	.56	.02
Missing Data-Age	-.14	.21	-.03
Missing Data-Math	-.35	.79	-.17
Early Childhood Education	-.35	.80	-.01
Studio	.32	.79	.01
Yrs. Since H.S.	.01	.01	.07
Age	-.01	.01	-.06
Undeclared	-.04	.14	-.01
Sociology	-.09	.40	-.007
Secondary Education	-.04	.27	-.005
Constant	-1.99		
R ²	.51		
Standard Error of Estimate	.78		
N	569		

PHYS 101
Mean Grade = 2.37 S.D. = 1.14

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>β</u>
Year of Course: 75	-.12	.23	-.04
74	-.12	.22	-.05
73	-.16	.21	-.06
72	-.35	.21	-.11
71	-.37	.22	-.10
GPA	1.16	.06	.64
Female	-.23	.08	-.10
Math	.74	.24	.09
Biology	.26	.10	.10
SAT-Math	.002	.0007	.10
Management	-.23	.18	-.04
Elementary Education	-.57	.33	-.05
Anthropology	-.47	.33	-.04
Summer Qtr.	.17	.09	.07
Transfer GPA	-.01	.04	-.01
Medical Technology	.25	.14	.06
Undeclared	.21	.13	.06
Real Estate	.97	.61	.05
CAT-Verbal	-.0006	.0006	-.04
Marketing	.33	.26	.04
Special Education	.27	.23	.04
Accounting	.20	.18	.04
History	-.20	.39	-.03
English	-.20	.39	-.03
Business Education	.93	.85	.03
Winter Qtr.	.08	.09	.03
Missing Data-H.S. Yr.	.16	.12	.05
Veteran	.10	.08	.05
Yrs. Since H.S.	.03	.02	.09
Age	-.02	.02	-.05
General Studies	-.29	.36	-.02
Hours Transferred	-.001	.002	-.05
Class Standing	.06	.09	.04
Political Science	.25	.39	.02
Criminal Justice	.21	.33	.02
Secondary Education	-.32	.39	-.02
H.S. GPA	.09	.11	.03
Music	-.20	.33	-.02
Economics	.11	.23	.02
Missing Data-Age	.14	.22	.02
Social Welfare	.29	.60	.01
Minority	-.06	.10	-.02
Missing Data-H.S. GPA	-.08	.13	-.03
Sociology	-.26	.60	-.01
Studio	-.11	.27	-.01
Missing Data-Math	.05	.11	.02
Spring Qtr.	-.04	.11	-.01
Nursing	-.10	.31	-.009
Finance	-.13	.43	-.009
Psychology	-.03	.14	-.008
Hours Attempted	-.0003	.002	-.01
Constant	-1.43		
R^2	.51		
Standard Error of Estimate	.83		
N	654		

A-124

POLS 101
Mean Grade = 2.37 S.D. = 1.01

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	.40	.08	.17
74	.45	.08	.18
73	.39	.07	.16
72	.09	.07	.03
71	.19	.08	.06
GPA	.97	.02	.62
SAT-Verbal	.001	.0002	.10
Elementary Education	-.29	.06	-.05
Age	.01	.005	.07
Female	-.11	.03	-.05
Summer Qtr.	.73	.75	.33
Music	-.24	.10	-.03
Class Standing	.03	.03	.02
Early Childhood Education	-.23	.09	-.03
Special Education	-.15	.08	-.02
Missing Data-Age	.19	.07	.03
History	.37	.09	.05
Political Science	.33	.08	.05
Undeclared	.18	.04	.06
Studio	-.04	.06	-.008
Nursing	-.01	.05	-.003
Missing Data-Math	.39	.31	.19
Biology	.21	.06	.04
Fall Qtr.	.61	.75	.27
Economics	.21	.09	.03
Missing Data-H.S. GPA	-.05	.04	-.02
Hours Attempted	-.001	.0006	-.07
Hours Transferred	-.001	.0006	-.04
Management	.14	.05	.03
SAT-Math	-.0003	.0002	-.02
Math	.19	.09	.02
Accounting	.13	.05	.03
Criminal Justice	.15	.06	.03
Journalism	.14	.06	.03
Sociology	.17	.09	.02
Medical Technology	.19	.11	.02
Secondary Education	.15	.10	.02
Marketing	.11	.07	.02
Social Welfare	.15	.10	.02
General Studies	.12	.09	.02
English	.10	.07	.02
Missing Data-Verbal	-.30	.31	.15
Anthropology	.12	.11	.01
Psychology	.06	.05	.01
Veteran	.01	.03	.006
Yrs. Since H.S.	.002	.005	.008
Spring Qtr.	.67	.75	.23
Winter Qtr.	.66	.75	.29
H.S. GPA	.007	.02	.003
Finance	.03	.10	.003
Transfer GPA	.003	.01	.003
Minority	.007	.03	.003
Missing Data-H.S. Yr.	-.009	.04	-.003
Real Estate	.02	.11	.002
Constant	-2.01		
R ²	.46		
Standard Error of Estimate	.75		
N	4804		

A-125

Mean Grade = 2.36

GEOG 103

S.D. = 1.03

Regressors	Estimators	Standard Error of Estimate	B
Year of Course: 75	.83	.29	.38
74	.72	.29	.33
73	.51	.29	.19
72	.51	.29	.14
71	.39	.31	.07
GPA	1.04	.05	.58
Female	-.31	.06	-.15
Summer Qtr.	.12	.08	.05
English	-.47	.16	-.08
Age	.003	.009	.02
SAT-Math	.0006	.0005	.04
History	.28	.16	.04
Elementary Education	.28	.11	-.07
Anthropology	-.28	.29	-.05
Special Education	-.55	.14	-.06
Hours Attempted	-.31	.001	.08
Psychology	.002	.14	-.04
Social Welfare	-.22	.18	-.04
Undeclared	-.27	.10	-.03
Class Standing	-.11	.07	-.05
Early Childhood Education	-.06	.23	-.03
Fall Qtr.	-.27	.08	-.04
General Studies	-.10	.21	.03
Veteran	.23	.05	-.02
Accounting	-.03	.10	.03
Criminal Justice	.09	.10	.02
Sociology	.08	.17	.02
Finance	.14	.21	.02
SAT-Verbal	.15	.0005	.01
Business Education	.0003	.26	.02
Missing Data-H.S. Yr.	.14	.09	.04
Yrs. Since H.S.	.07	.009	-.02
Winter Qtr.	.0006	.08	-.02
Political Science	-.05	.15	-.02
Journalism	-.10	.12	-.01
Medical Technology	-.09	.84	-.02
Studio	-.50	.14	-.01
Marketing	-.09	.14	-.02
H.S. GPA	-.08	.06	.03
Missing Data-H.S. GPA	-.03	.09	-.02
Transfer GPA	.06	.03	-.37
Missing Data-Math	-.02	.60	.36
Missing Data-Verbal	-.77	.60	-.01
Music	.74	.84	.02
Hours Transferred	-.39	.001	-.008
Minority	.0006	.07	.01
Math	-.02	.29	.009
Nursing	.12	.30	-.009
Missing Data-Age	.12	.16	.008
Management	-.05	.10	.003
Elementary Education	.03	.21	
Constant	-.03		
	-1.22		
R ²	.37		
Standard Error of Estimate	.83		
N	1230		

GEOL 101
Mean Grade = 2.35 S.D. = 1.09

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	.77	.16	.32
74	.78	.16	.31
73	.51	.16	.20
72	.47	.16	.14
71	.46	.17	.10
GPA	1.12	.04	.62
Female	-.18	.05	-.08
Missing Data-Math	.21	.60	.09
Hours Transferred	-.002	.001	-.05
Age	.02	.008	.09
SAT-Math	.0005	.0004	.03
Early Childhood Education	-.55	.15	-.08
Missing Data-Age	.34	.14	.05
Biology	.29	.21	.03
Class Standing	-.11	.06	-.08
Math	.30	.23	.03
Political Science	-.43	.15	-.06
Journalism	-.34	.12	-.07
Elementary Education	-.32	.11	-.07
Special Education	-.35	.12	-.06
Studio	-.27	.11	-.06
Anthropology	.16	.16	.02
Real Estate	.19	.19	.02
Fall Qtr.	.09	.05	.04
Medical Technology	.65	.60	.02
Music	-.34	.23	-.03
Business Education	-.26	.16	-.03
English	-.22	.12	-.04
Economics	-.28	.20	-.03
H.S. GPA	.04	.05	.02
Finance	.14	.22	.01
Sociology	.05	.16	.007
Criminal Justice	-.17	.11	-.03
Secondary Education	-.25	.18	-.03
Hours Attempted	.001	.001	.05
SAT-Verbal	.0004	.0004	.03
Marketing	.02	.14	.004
Winter Qtr.	.05	.06	.02
Missing Data-H.S. GPA	.06	.07	.03
Social Welfare	-.22	.21	-.02
Management	-.13	.10	-.03
History	-.18	.17	-.02
Undeclared	-.10	.09	-.03
Accounting	-.11	.10	-.02
Psychology	-.11	.12	-.02
Veteran	.03	.05	.01
General Studies	-.08	.19	-.009
Missing Data-H.S. Yr.	-.03	.08	-.009
Nursing	-.07	.26	-.006
Yrs. Since H.S.	-.002	.008	-.01
Missing Data-Verbal	-.12	.60	-.05
Constant	-1.90		
R ²	.44		
Standard Error of Estimate	.83		
N	1534		

AC 433
Mean Grade = 2.32 S.D. = 1.12

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>B</u>
Year of Course: 75	.27	.39	.12
74	-.06	.48	-.03
73	-.29	.49	-.08
72	-.50	.51	-.09
71	-.99	.53	-.13
GPA	1.04	.08	.56
Transfer GPA	-.09	.04	-.12
Age	-.02	.01	-.12
Spring Qtr.	-.24	.12	-.07
Management	-.23	.55	-.02
Real Estate	1.37	.92	.05
Finance	.82	.56	.06
Accounting	.38	.33	.12
Psychology	1.29	.99	.05
Missing Data-Math	.06	.11	.03
H.S. GPA	.07	.10	.03
Missing Data-H.S. GPA	.13	.16	.04
Summer Qtr.	.06	.09	.03
Marketing	.50	.55	.04
Missing Data-H.S. Yr.	.11	.15	.03
Undeclared	.22	.36	.06
SAT-Verbal	-.0006	.0008	-.03
SAT-Math	.0007	.0008	.04
Veteran	-.04	.08	-.02
Yrs. Since H.S.	.007	.01	.04
Economics	.27	.68	.03
Class Standing	.05	.14	.02
Minority	.04	.14	.01
Missing Data-Age	-.07	.30	-.01
Hours Transferred	-.0004	.002	-.01
Hours Attempted	-.0002	.002	-.008
Constant	-.72		
R ²	.45		
Standard Error of Estimate	.86		
N	513		

IS 301
Mean Grade = 2.31 S.D. = 1.13

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimators</u>	<u>S</u>
Year of Course: 75	.55	.20	.23
74	.42	.19	.18
73	.37	.20	.13
72	.48	.20	.11
71	.29	.21	.05
GPA	1.03	.04	.54
SAT-Math	.002	.0004	.10
Management	-.07	.07	-.03
Transfer GPA	-.05	.02	-.06
Spring Qtr.	-.18	.05	-.06
Math	.41	.13	.06
Age	-.02	.006	-.08
Accounting	.20	.07	.07
Sociology	-.96	.54	-.03
Fall Qtr	-.09	.05	-.03
Nursing	1.07	.66	.03
Finance	.005	.10	.0009
Female	-.08	.06	-.03
General Studies	.49	.34	.02
Missing Data-H.S. Yr.	.13	.08	.04
Yrs. Since H.S.	.01	.006	.05
Biology	.33	.19	.03
Marketing	.17	.08	.04
Undeclared	.16	.08	.05
Medical Technology	.34	.24	.02
SAT-Verbal	-.0004	.0004	-.02
Secondary Education	.38	.29	.02
Studio	.48	.39	.02
Winter Qtr.	-.04	.05	-.01
Hours Transferred	-.0007	.0009	-.03
Journalism	.29	.36	.01
H.S. GPA	-.02	.04	-.009
Minority	.06	.06	.02
Missing Data-Age	-.07	.12	-.01
English	.28	.39	.01
Economics	.09	.13	.01
Real Estate	.08	.10	.01
Hours Attempted	-.0004	.0008	-.02
Missing Data-Math	-.69	.47	-.30
Missing Data-Verbal	.67	.47	.30
Music	.30	.66	.007
Business Education	.08	.20	.006
Veteran	.01	.04	.007
Political Science	.09	.29	.005
Anthropology	-.18	.93	-.003
Class Standing	.009	.05	.005
Psychology	-.03	.19	-.003
Social Welfare	-.07	.54	-.002
Missing Data-H.S. GPA	.007	.07	.002
Constant	-.95		
R ²	.34		
Standard Error of Estimate	.93		
N	2657		

DM 302
Mean Grade = 2.29 S.D. = 1.24

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	-.009	.24	-.003
74	-.05	.23	-.02
73	-.18	.23	-.07
72	-.27	.23	-.08
71	-.14	.25	-.03
GPA	1.10	.05	.54
SAT-Math	.003	.0005	.15
Accounting	.42	.07	.15
Yrs. Since H.S.	-.01	.006	-.06
Undeclared	.33	.10	.08
Math	1.28	.45	.06
Marketing	.25	.09	.06
Fall Qtr.	.12	.07	.04
Hours Transferred	-.001	.001	-.04
SAT-Verbal	-.002	.0006	-.08
Missing Data-Math	.37	.50	.15
Nursing	-1.53	1.00	-.03
Psychology	.51	.38	.03
General Studies	.50	.50	.02
Economics	.19	.17	.03
Secondary Education	-.56	.58	-.02
Sociology	-.43	.45	-.02
Political Science	-.32	.34	-.02
Spring Qtr.	.06	.08	.02
History	.53	.58	.02
Finance	.12	.13	.02
Missing Data-Age	.24	.20	.03
H.S. GPA	-.05	.06	-.02
Minority	-.08	.09	-.02
Business Education	-.29	.45	-.01
Transfer GPA	.01	.03	.01
Summer Qtr.	-.04	.07	-.02
Veteran	.03	.06	.01
Studio	-.23	.41	-.01
Real Estate	.07	.13	.01
Class Standing	-.04	.08	-.02
Special Education	.48	1.00	.01
Missing Data-Verbal	-.24	.50	-.10
Missing Data-H.S. GPA	.06	.11	.01
Biology	.21	.46	.01
Journalism	-.20	.45	-.01
Social Welfare	.27	.72	.008
Missing Data-H.S. Yr.	-.04	.11	-.01
Criminal Justice	-.08	.29	-.007
Hours Attempted	.0002	.001	.008
Female	-.009	.08	-.003
Constant	-.89		
R ²	.38		
Standard Error of Estimate	.99		
N	1403		

HIO 112
Mean Grade = 2.26

S.D. = 1.03

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>β</u>
Year of Course: 75			
74	-.17	.49	-.08
73	-.18	.49	-.08
72	-.21	.49	-.08
71	-.20	.49	-.06
GPA	-.86	.49	-.21
Biology	1.20	.05	.77
Class Standing	.86	.23	.11
Missing Data-Math	-.15	.08	-.14
Nursing	.15	.09	.07
English	.23	.08	.11
Secondary Education	.74	.38	.05
Transferred GPA	-.67	.33	-.06
Hours Transferred	-.06	.04	-.08
History	.003	.002	.11
Female	-1.07	.65	-.04
Psychology	-.10	.09	-.04
Social Welfare	.29	.17	.05
Fall Qtr.	.44	.29	.04
Missing Data-Age	-.07	.08	-.03
Real Estate	-.28	.19	-.06
Special Education	.64	.47	.04
Studio	.80	.66	.03
Early Childhood Education	.29	.26	.03
Journalism	-.41	.39	-.03
Business Education	-.39	.38	-.03
Marketing	.46	.46	.03
Criminal Justice	.47	.46	.03
H.S. GPA	.33	.30	.03
Medical Technology	-.08	.08	-.03
Veteran	.62	.65	.03
Age	-1.09	.09	-.04
Anthropology	-.01	.01	-.05
Winter Qtr.	.32	.38	.02
Economics	-.06	.11	-.02
Missing Data-H. S. GPA	.38	.47	.02
Elementary Education	-.07	.10	-.03
Math	-.31	.46	-.02
Yrs. Since H.S.	-.42	.66	-.02
Spring Qtr.	.006	.009	.03
Sociology	.05	.12	.02
Management	.21	.47	.01
Undeclared	-.24	.65	-.01
SAT-Math	.05	.15	.01
Political Science	.0002	.0005	.01
Hours Attempted	-.19	.65	-.008
Music	.0004	.002	.02
Missing Data-H.S. Yr.	-.12	.67	-.005
Constant	.02	.10	.005
	.22		
R^2			
Standard Error of Estimate	.65		
N	.64		

541

DM 121
Mean Grade = 2.26

S.D. = 1.25

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>β</u>
Year of Course: 75	.64	.16	.20
74	.51	.15	.18
73	.39	.14	.13
72	-.06	.14	-.02
71	.42	.15	.11
GPA	1.06	.05	.53
SAT-Math	.003	.0005	.19
Accounting	.40	.11	.13
Management	.31	.11	.10
Yrs. Since H.S.	-.01	.008	-.05
Economics	.49	.18	.06
Undeclared	.25	.11	.08
Real Estate	.41	.18	.06
Marketing	.20	.13	.05
Winter Qtr.	.16	.08	.05
Spring Qtr.	.16	.09	.04
Minority	-.13	.08	-.04
Math	.86	.44	.04
SAT-Verbal	-.001	.0005	-.05
Transfer GPA	-.09	.04	-.08
Secondary Education	-.83	.44	-.04
Veteran	-.12	.06	-.05
Special Education	-.80	.50	-.03
Music	-.88	.50	-.04
Political Science	-.42	.30	-.03
History	-.47	.34	-.03
Finance	.18	.19	.02
Elementary Education	.80	.69	.02
Anthropology	.92	.97	.02
Early Childhood Education	-.97	.98	-.02
Business Education	-.27	.31	-.02
Missing Data-Age	-.17	.17	-.03
Missing Data-H.S. GPA	.24	.11	.10
Missing Data-Verbal	-.18	.10	-.07
Hours Attempted	.0005	.001	.02
Journalism	-.19	.23	-.02
Biology	-.27	.34	-.02
Age	-.006	.008	-.03
Fall Qtr.	-.05	.07	-.02
General Studies	.16	.27	.01
Studio	.23	.38	.01
Nursing	.60	.98	.01
Psychology	-.14	.31	-.01
Social Welfare	-.21	.44	-.01
English	-.16	.41	-.009
Sociology	-.12	.41	-.006
Female	.03	.07	.008
H.S. GPA	-.02	.07	-.006
Hours Transferred	-.0006	.002	-.01
Class Standing	.02	.08	.01
Criminal Justice	.04	.21	.005
Medical Technology	.08	.45	.004
Missing Data-H.S. Yr.	-.01	.11	-.003
Constant	-1.57		
R^2	.43		
Standard Error of Estimate	.96		
N	1343		

A-132

AC 202
Mean Grade = 2.24 S.D. = 1.09

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	.31	.18	.12
74	.04	.18	.02
73	.02	.18	.008
72	.13	.18	.04
71	-.03	.18	-.007
GPA	1.08	.04	.59
Accounting	.20	.08	.08
Fall Qtr.	-.14	.06	-.06
Math	.68	.21	.06
Summer Qtr.	.16	.06	.06
Secondary Education	-1.07	.44	-.04
Transfer GPA	-.04	.02	-.05
Management	-.18	.08	-.07
Veteran	-.07	.04	-.04
Special Education	-.97	.51	-.03
H.S. GPA	-.07	.04	-.03
Missing Data-H.S. GPA	.09	.07	.03
Criminal Justice	-.40	.23	-.03
Studio	-.83	.50	-.03
Music	1.24	.87	.02
Female	-.05	.05	-.02
Political Science	-.49	.36	-.02
History	-.53	.44	-.02
Psychology	.13	.23	.01
Anthropology	.52	.62	.01
SAT-Math	.0003	.0004	.02
Missing Data-H.S. Yrs	-.06	.07	-.02
Winter Qtr.	.05	.06	.02
General Studies	.19	.31	.01
Medical Technology	.35	.51	.01
Early Childhood Education	-.75	.87	-.01
Economics	-.15	.14	-.02
Hours Attempted	-.001	.0009	-.06
Hours Transferred	-.001	.001	-.05
Class Standing	.06	.05	.04
Missing Data-Math	.25	.36	.11
Missing Data-Verbal	-.21	.36	-.10
Biology	.14	.36	.007
Journalism	.19	.44	.008
Business Education	-.13	.15	-.02
Marketing	-.08	.09	-.02
Undeclared	-.07	.08	-.02
Missing Data-Age	-.07	.12	-.01
Age	-.003	.005	-.01
Yrs. Since H.S.	.002	.006	.01
Sociology	-.14	.36	-.007
Real Estate	-.04	.11	-.008
Finance	-.03	.11	-.006
SAT-Verbal	-.00006	.0004	-.003
Minority	.008	.06	.002
Constant	-.31		
R ²	.39		
Standard Error of Estimate	.86		
N	2128		

AC 201
Mean Grade = 2.23 S.D. = 1.11

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>β</u>
Year of Course: 75	.67	.14	.27
74	.55	.14	.21
73	.98	.14	.22
72	.53	.14	.17
71	.31	.14	.08
GPA	1.02	.03	.56
Accounting	.26	.06	.09
Missing Data-Verbal	.13	.05	.06
SAT-Math	.0009	.0003	.05
History	-.83	.25	-.05
Business Education	-.30	.12	-.04
Transfer GPA	-.04	.02	-.04
Yrs. Since H.S.	.01	.004	.05
Elementary Education	-.85	.40	-.03
Female	-.08	.05	-.03
Math	.28	.17	.03
Journalism	-.32	.18	-.03
Fall Qtr.	-.06	.05	-.02
Hours Transferred	-.002	.0009	-.06
Missing Data-H.S. GPA	.10	.06	.04
Sociology	.33	.27	.02
Spring Qtr.	-.05	.06	-.02
Marketing	-.10	.07	-.02
Class Standing	.06	.05	.05
Studio	-.35	.28	-.02
Medical Technology	.47	.45	.02
Special Education	-.36	.32	-.02
Anthropology	.35	.40	.01
General Studies	-.19	.19	-.02
Management	-.05	.06	-.02
Biology	-.21	.21	-.02
Criminal Justice	-.09	.13	-.01
Hours Attempted	-.0006	.0009	-.03
Political Science	-.13	.20	-.01
Secondary Education	-.22	.37	-.01
English	-.16	.27	-.009
Music	-.21	.45	-.007
Early Childhood Education	.21	.37	.009
Veteran	.03	.04	.01
Missing Data-H.S. Yr	.03	.06	.009
Winter Qtr.	.02	.05	.009
Real Estate	.04	.10	.007
Missing Data-Age	.04	.11	.006
H.S. GPA	.01	.11	.005
SAT-Verbal	-.00008	.0004	-.005
Psychology	.03	.14	.004
Minority	-.009	.05	-.003
Undeclared	.009	.06	.003
Constant	-1.52		
R^2	.37		
Standard Error of Estimate	.89		
N	2640		

DM 122
Mean Grade = 2.21 S.D. = 1.20

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	.13	.22	.05
74	.05	.22	.02
73	-.12	.22	-.04
72	-.25	.22	-.07
71	-.12	.22	-.03
GPA	1.14	.06	.55
SAT-Math	.003	.0005	.16
SAT-Verbal	-.002	.0006	-.11
History	-1.31	.45	-.07
Transfer GPA	-.11	.04	-.09
Accounting	.43	.13	.15
Undeclared	.32	.13	.11
Math	1.20	.41	.07
Medical Technology	1.88	.70	.07
Business Education	-.79	.35	-.06
Spring Qtr.	.27	.10	.07
Age	-.03	.01	-.13
Secondary Education	-1.06	.50	-.05
Winter Qtr.	.14	.07	.05
Missing Data-Verbal	.10	.11	.04
Missing Data-Age	-.31	.21	-.04
Economics	.38	.23	.05
H.S. GPA	-.08	.07	-.03
Missing Data-H.S. GPA	.13	.12	.05
Criminal Justice	.34	.28	.03
Hours Attempted	-.002	.001	-.10
Elementary Education	1.12	1.00	.03
Marketing	.18	.14	.04
Finance	.22	.19	.03
Minority	-.08	.08	-.03
Female	.08	.08	.03
Management	.11	.12	.04
Music	.77	.98	.02
Yrs. Since H.S.	.008	.01	.04
Biology	.32	.50	.02
Hours Transferred	-.002	.002	-.06
Class Standing	.10	.08	.07
Nursing	-.57	.98	-.01
Real Estate	.08	.19	.01
Sociology	-.16	.45	-.009
Studio	-.16	.45	-.009
Veteran	-.03	.07	-.01
Summer Qtr.	.02	.08	.007
English	-.13	.57	-.006
General Studies	-.07	.36	-.005
Missing Data-H.S. Yr.	-.03	.12	-.007
Special Education	.08	.43	.005
Early Childhood Education	.14	.99	.003
Constant	-.36		
R ²	.39		
Standard Error of Estimate	.96		
N	1159		

HIST 111
Mean Grade = 2.19 S.D. = 1.11

Regressors	Estimators	Standard Error of Estimator	β
Year of Course: 75	.74	.12	.23
74	.45	.11	.17
73	.40	.11	.13
72	.32	.11	.11
71	.33	.10	.11
GPA	1.07	.05	.62
History	.64	.11	.12
Elementary Education	-.31	.10	-.07
Summer Qtr.	.17	.06	.07
Age	.04	.01	.18
Missing Data-Years H.S.	.16	.08	.05
Minority	-.17	.07	-.06
Marketing	-.38	.19	-.04
SAT-Verbal	.0009	.0004	.06
Undeclared	.18	.08	.05
Economics	.36	.16	.04
Medical Technology	.63	.35	.04
Criminal Justice	-.19	.15	-.02
Early Childhood Education	-.25	.18	-.03
Studio	-.11	.10	-.02
Yrs. Since H.S.	-.03	.01	-.11
Music	-.30	.25	-.02
Veteran	.12	.06	.04
Business Education	.44	.29	.03
Accounting	.26	.17	.03
English	.15	.11	.03
Spring Qtr.	-.09	.09	-.02
SAT-Math	-.0006	.0004	-.04
Missing Data-Age	.16	.16	.02
Female	-.05	.05	-.02
Social Welfare	.25	.24	.02
Biology	.13	.12	.02
H.S. GPA	.04	.05	.02
General Studies	.15	.15	.02
Secondary Education	.15	.16	.02
Real Estate	-.23	.38	-.01
Transfer GPA	-.03	.03	-.02
Hours Transferred	.001	.001	.02
Special Education	-.07	.16	-.008
Anthropology	-.05	.15	-.007
Missing Data-Verbal	.13	.61	.06
Math	.07	.15	.01
Political Science	.06	.13	.009
Hours Attempted	.0004	.001	.02
Journalism	.04	.10	.008
Nursing	.06	.17	.007
Sociology	.05	.17	.006
Fall Qtr.	.02	.07	.007
Management	.02	.14	.004
Class Standing	-.01	.06	-.009
Missing Data-Math	-.10	.61	-.04
Finance	-.05	.30	-.003
Missing Data-H.S. GPA	-.009	.09	-.004
Constant	-2.46		
R^2	.48		
Standard Error of Estimate	.84		
N	1490		

ZOO 313
Mean Grade = 2.19 S.D. = 1.04

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>S</u>
Year of Course: 74	.14	.80	.06
73	.27	.77	.13
72	-.007	.76	-.003
71	.18	.84	.03
GPA	.97	.14	.57
Minority	-.77	.18	-.31
Female	-.16	.20	-.08
Class Standing	-.14	.19	-.07
H.S. GPA	-2.84	1.04	-.18
Business Education	-1.46	.77	-.11
Accounting	-1.05	.57	-.11
Real Estate	.76	.82	.06
Fall Qtr.	.29	.24	.13
Journalism	.88	.62	.10
English	-.64	.543	-.07
Missing Data-H.S. Yr.	-.65	.30	-.21
Missing Data-Age	.64	.42	.14
SAT-Math	.001	.001	.08
Missing Data-Verbal	.11	.17	.05
Elementary Education	-.64	.61	-.07
Political Science	.71	.84	.05
Undeclared	.17	.35	.04
Summer Qtr.	.12	.20	.05
Psychology	-.43	.49	-.06
Missing Data-H.S. GPA	.18	.31	.05
Yrs. Since H.S.	-.04	.05	-.23
Age	.04	.05	.19
Medical Technology	-.14	.25	-.05
Nursing	-.17	.27	-.08
Veteran	-.05	.14	-.02
Transfer GPA	-.02	.07	-.03
Math	-.32	.81	-.02
Winter Qtr.	.07	.24	.03
Hours Attempted	-.0006	.003	-.03
Hours Transferred	-.0004	.002	-.02
Secondary Education	-.15	.79	-.01
Biology	-.04	.24	-.01
Constant	7.52		
R ²	.65		
Standard Error of Estimate	.71		
N	155		

HIST 113
Mean Grade = 2.17 S.D. = 1.05

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	.25	.09	.10
74	.11	.09	.04
73	.02	.09	.008
72	-.10	.08	-.04
71	-.03	.08	-.01
GPA	1.00	.02	.62
History	.55	.09	.07
Elementary Education	-.37	.08	-.06
Age	.001	.005	.005
SAT-Verbal	.0009	.0002	.06
Female	-.08	.03	-.04
Missing Data-H.S. Yr.	.09	.05	.03
SAT-Math	-.0008	.0002	-.05
Political Science	.21	.08	.03
Biology	.17	.07	.03
Winter Qtr.	.03	.04	.01
Special Education	-.13	.08	-.02
Economics	.20	.10	.02
Medical Technology	.21	.12	.02
Studio	-.10	.07	-.02
Business Education	-.18	.11	-.02
Finance	-.16	.12	-.02
Music	-.11	.09	-.02
Early Childhood Education	-.12	.10	-.01
Missing Data-Verbal	.66	.36	.31
Missing Data-Math	-.59	.36	-.28
Math	.16	.10	.02
Yrs. Since H.S.	.007	.005	.03
Accounting	.007	.05	.02
Veteran	-.03	.03	-.01
Fall Qtr.	-.05	.04	-.02
English	.08	.08	.01
Criminal Justice	.06	.06	.01
Journalism	.06	.07	.01
Undeclared	.03	.05	.008
Minority	-.03	.04	-.01
H.S. GPA	.03	.03	.01
Secondary Education	.07	.11	.008
Missing Data-H.S. GPA	-.05	.05	-.02
Transfer GPA	.02	.02	.02
Hours Transferred	-.0006	.0007	-.02
Hours Attempted	-.0004	.0006	-.02
Summer Qtr.	-.03	.04	-.01
Anthropology	.07	.12	.007
Nursing	.02	.06	.005
Marketing	-.04	.08	-.007
General Studies	-.04	.09	-.006
Psychology	-.03	.06	-.005
Management	-.02	.06	-.005
Social Welfare	.03	.11	.004
Sociology	.02	.09	.003
Missing Data-Age	.01	.08	.002
Class Standing	.004	.03	.004
Constant	-.56		
R ²	.43		
Standard Error of Estimate	.80		
N	4484		

MATH 115
Mean Grade = 2.17 S.D. = 1.29

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>β</u>
Year of Course: 75	.26	.22	.06
74	.35	.19	.11
73	.11	.19	.03
72	.04	.18	.01
71	.14	.17	.04
GPA	1.26	.08	.64
Transfer GPA	-.18	.06	-.14
SAT-Math	.002	.0008	.13
Veteran	-.26	.11	-.09
SAT-Verbal	-.002	.0007	-.10
Minority	-.26	.13	-.07
Secondary Education	.77	.35	.07
Accounting	.47	.23	.07
Biology	.37	.19	.07
Undeclared	.30	.15	.07
Nursing	.36	.22	.05
Winter Qtr.	.13	.13	.04
General Studies	.37	.26	.05
Math	.65	.40	.05
Economics	.74	.52	.04
Business Education	-.47	.29	-.05
Missing Data-H.S. GPA	.10	.16	.04
Marketing	.44	.35	.04
Early Childhood Education	-.45	.39	-.04
Anthropology	-.34	.33	-.03
Studio	-.29	.25	-.04
Yrs. Since H.S.	-.03	.04	-.08
Medical Technology	.51	.52	.03
Fall Qtr.	-.14	.14	-.05
Elementary Education	-.18	.23	-.02
English	-.23	.27	-.03
Female	-.06	.09	-.02
Missing Data-H.S. Yr.	-.10	.15	-.02
Class Standing	-.08	.11	-.05
Criminal Justice	.13	.22	.02
Finance	-.20	.39	-.02
History	-.11	.28	-.01
Missing Data-Math	.08	.15	.03
H.S. GPA	.06	.12	.02
Special Education	-.09	.25	-.01
Missing Data-Age	-.16	.35	-.02
Real Estate	.19	.46	.01
Management	.10	.25	.01
Summer Qtr.	-.04	.13	-.01
Age	.01	.04	.03
Psychology	.03	.13	.009
Hours Attempted	.0008	.002	.03
Hours Transferred	.0009	.003	.02
Constant	-1.32		
R^2	.44		
Standard Error of Estimate	1.00		
N	673		

R10 100
Mean Grade = 2.15 S.D. = 1.10

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 74	.10	.09	.04
73	-.24	.07	-.10
71	.08	.10	.02
GPA	1.08	.06	.63
Biology	.57	.10	.17
SAT-Verbal	.001	.0005	.08
Missing Data-Math	.85	.79	.36
Hours Attempted	-.002	.001	-.08
Medical Technology	.45	.17	.07
Early Childhood Education	-.34	.21	-.04
English	.33	.17	.05
Female	-.08	.07	-.04
H.S. GPA	.14	.08	.05
Secondary Education	-.39	.24	-.04
Undeclared	.21	.11	.06
Fall Qtr.	-.11	.07	-.05
Journalism	.25	.16	.04
Nursing	.39	.24	.04
Real Estate	.48	.30	.04
Psychology	.11	.11	.03
Math	.27	.25	.02
Business Education	-.44	.33	.03
Spring Qtr.	.14	.09	.04
Accounting	.11	.14	.02
Minority	-.07	.08	-.02
History	-.24	.21	-.03
Hours Attempted	-.002	.002	-.05
Sociology	-.19	.18	-.03
Missing Data-Years H.S.	-.06	.11	-.02
Elementary Education	-.15	.16	-.03
Transfer GPA	.03	.04	.03
Music	.30	.36	.02
SAT-Math	.0004	.0005	.03
Age	.01	.01	.04
Political Science	-.18	.22	-.02
Missing Data-Verbal	-.63	.79	-.26
Missing Data-H.S. GPA	-.06	.11	-.03
Studio	.09	.17	.01
Criminal Justice	.07	.17	.01
Veteran	.03	.07	.01
General Studies	.12	.31	.01
Anthropology	-.15	.31	-.01
Social Welfare	-.12	.27	-.01
Class Standing	.03	.08	.02
Finance	-.08	.27	-.008
Yrs. Since H.S.	-.003	.01	-.01
Economics	-.06	.30	-.005
Special Education	-.03	.15	-.006
Management	-.03	.17	-.004
Constant	-2.03		
R ²	.54		
Standard Error of Estimate	.77		
N	827		

HIST 112
Mean Grade = 2.15 S.D. = 1.07

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 75	.16	.09	.05
74	.11	.08	.04
73	-.14	.08	-.05
72	-.17	.08	-.06
71	-.24	.07	-.09
GPA	1.00	.03	.59
SAT-Verbal	.001	.0003	.07
History	.47	.10	.07
Female	-.11	.04	-.05
Special Education	-.40	.09	-.06
Missing Data-H.S. GPA	.06	.05	.03
Elementary Education	-.30	.08	-.05
Biology	.18	.08	.03
Early Childhood Education	-.36	.12	-.04
Music	-.24	.09	-.04
Spring Qtr.	-1.24	.83	-.32
Marketing	-.25	.11	-.03
Yrs. Since H.S.	.007	.006	.03
Nursing	-.20	.10	-.03
Economics	.19	.12	.02
Real Estate	-.27	.17	-.02
Math	-.16	.10	-.02
Criminal Justice	-.10	.07	-.02
Missing Data-Age	.17	.10	.02
Psychology	-.08	.07	-.02
Class Standing	-.01	.04	-.01
Studio	-.09	.07	-.02
Minority	-.05	.04	-.02
Medical Technology	.23	.20	.02
Anthropology	.15	.14	.02
Accounting	-.07	.07	-.01
Winter Qtr.	-1.39	.83	-.53
Social Welfare	-.13	.11	-.01
Business Education	-.09	.11	-.01
Sociology	-.08	.11	-.01
General Studies	-.08	.12	-.009
Summer Qtr.	-1.36	.83	-.62
Fall Qtr.	-1.33	.83	-.58
Journalism	.05	.08	.009
Missing Data-Verbal	.03	.05	.01
English	.05	.09	.009
SAT-Math	-.0002	.0003	-.01
Veteran	.02	.04	.009
H.S. GPA	.02	.03	.007
Political Science	.04	.09	.006
Hours Attempted	-.0003	.0008	-.02
Management	-.02	.07	-.004
Hours Transferred	-.0002	.0009	-.006
Finance	.03	.18	.002
Age	.0008	.006	.004
Constant	.57		
R^2	.42		
Standard Error of Estimate	.82		
N	3201		

A-141

AC 409
Mean Grade = 2.11 S.D. = 1.15

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimator</u>	<u>B</u>
Year of Course: 75	.51	.29	.21
74	.32	.28	.13
73	.18	.29	.06
72	.17	.29	.04
71	-.01	.30	-.002
GPA	1.04	.05	.57
Transfer GPA	-.10	.03	-.13
Accounting	.83	.14	.34
Undeclared	.89	.16	.22
Finance	.87	.20	.13
Missing Data-Age	.27	.16	.05
General Studies	2.45	.92	.06
Minority	-.16	.08	-.05
Management	.60	.16	.14
Marketing	.58	.19	.10
Math	.71	.29	.06
Missing Data-H.S. GPA	.13	.10	.04
Business Education	.67	.30	.06
Economics	.74	.28	.08
Real Estate	.40	.26	.04
Biology	.94	.66	.03
Age	-.01	.01	-.07
Fall Qtr.	.09	.08	.03
Summer Qtr.	.06	.08	.03
Psychology	.37	.39	.02
Anthropology	.87	.92	.02
Yrs. Since H.S.	.01	.01	.05
Missing Data-Years H.S.	.11	.10	.03
Political Science	-.41	.55	-.02
Hours Attempted	.001	.001	.04
H.S. GPA	.03	.06	.01
SAT-Verbal	-.0004	.0005	-.02
SAT-Math	.0004	.0005	.02
Missing Data-Verbal	.12	.68	.05
Criminal Justice	-.30	.92	-.01
Hours Transferred	.0007	.001	.03
Class Standing	-.04	.07	-.02
Winter Qtr.	-.02	.08	-.01
Female	.01	.08	.003
Missing Data-Math	-.08	.68	-.04
Veteran	.01	.05	.003
Constant	-1.46		
R ²	.40		
Standard Error of Estimate	.91		
N	1237		

AC 410
Mean Grade = 2.10 S.D. = 1.11

Regressors	Estimators	Standard Error of Estimator	β
Year of Course: 75	1.36	.56	.60
74	1.24	.56	.53
73	1.38	.56	.41
72	1.33	.57	.29
71	.64	.57	.11
GPA	1.10	.06	.60
Management	-.50	.30	-.07
Transfer GPA	-.07	.03	-.08
SAT-Verbal	-.001	.0006	-.06
Spring Qtr.	.15	.10	.05
Summer Qtr.	.10	.09	.04
Anthropology	1.58	.93	.05
Psychology	.91	.06	.52
Veteran	.06	.06	.03
Female	-.15	.09	-.05
Minority	.13	.10	.04
Business Education	1.37	.94	.04
Missing Data-Math	.08	.09	.04
Age	-.02	.01	-.08
Yrs. Since H.S.	.008	.01	.05
Math	-.08	.44	-.006
Hours Transferred	.001	.001	.04
Undecided	.27	.25	.07
Winter Qtr.	-.04	.09	-.02
H.S. GPA	-.03	.09	-.01
Accounting	.22	.23	.08
Economics	.38	.51	.02
Finance	.28	.41	.02
Marketing	.22	.33	.03
Real Estate	.21	.41	.02
SAT-Math	-.0002	.0007	-.01
Class Standing	-.03	.10	-.01
Missing Data-Years H.S.	-.03	.11	-.01
Hours Attempted	-.03	.001	.008
Constant	-1.27		
R^2	.37		
Standard Error of Estimate	.90		
N	810		

BIO 200
Mean Grade = 2.01 S.D. = .99

<u>Regressors</u>	<u>Estimators</u>	<u>Standard Error of Estimate</u>	<u>B</u>
Year of Course: 74	-.50	.12	-.25
73	-.17	.10	-.08
71	.15	.18	.03
GPA	1.06	.06	.64
Biology	.30	.11	.12
Hours Attempted	-.004	.002	-.16
Winter Qtr.	-.52	.12	-.26
Medical Technology	.43	.19	.08
Summer Qtr.	-.39	.15	-.17
English	.26	.20	.04
Early Childhood Education	-.55	.21	-.09
Criminal Justice	-.60	.21	-.09
Elementary Education	-.44	.18	-.08
Journalism	-.42	.17	-.09
Transfer GPA	-.03	.04	-.04
Age	.01	.009	.05
Music	.52	.39	.04
Political Science	-.47	.22	-.07
Special Education	-.29	.17	-.06
Social Welfare	-.49	.27	-.06
Finance	.57	.44	.04
General Studies	.53	.38	.04
Fall Qtr.	-.16	.12	-.06
SAT-Math	.0003	.0006	.02
Missing Data-H.S. Yr.	-.12	.13	-.04
Minority	.11	.11	.04
Missing Data-Verbal	.14	.10	.07
Missing Data-H.S. GPA	-.13	.13	-.06
Female	-.10	.07	-.05
Anthropology	.19	.29	.02
Veteran	-.09	.08	-.04
Missing Data-Age	-.24	.24	-.04
Marketing	-.26	.23	-.04
SAT-Verbal	.0004	.0005	.03
History	-.28	.31	-.03
Accounting	-.16	.16	-.03
Real Estate	-.36	.44	-.03
Math	-.26	.34	-.02
Business Education	.24	.44	.02
Secondary Education	-.15	.29	-.02
Sociology	-.13	.21	-.02
Management	-.11	.19	-.02
Undeclared	-.06	.14	-.02
Psychology	-.05	.13	-.02
H.S. GPA	.02	.09	.007
Hours Transferred	-.0006	.002	-.02
Class Standing	.03	.09	.02
Studio	-.03	.21	-.004
Constant	-.22		
R ²	.50		
Standard Error of Estimate	.73		
N	592		